AD-A211 167 SURFACE OBSERVATION CLIMATIC SUMMARIES (SOCS) FOR UPPER 1/8
HEYFORD RAF UNITED KINGDOM(U) AIR FORCE ENVIRONMENTAL
TECHNICAL APPLICATIONS CENTER SCOTT A.. JUN 89
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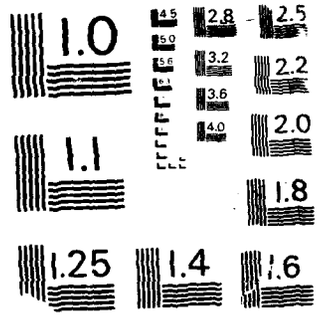
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REVIEW AND APPROVAL STATEMENT

DNA-TAC/AS-79/206, CONTRACT [illegible] CLIMATIC [illegible] JPRS REPORT [illegible] UNLIMITED [illegible] 19, JUL 1979, [illegible] FOR PUBLIC RELEASE. THERE IS NO RESTRICTION [illegible] OF THIS DOCUMENT TO THE PUBLIC AT LARGE, [illegible] INFORMATION CENTER (DTIC) TO THE NATIONAL TECHNICAL INFORMATION (NTIS).

JOHN [illegible]
DNA-A, CLIMATIC APPLICATIONS, PL-A

[illegible]

[illegible]
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[illegible]

APPROVAL STATEMENT

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[illegible], JUNE 1989, HAS BEEN REVIEWED AND IS APPROVED
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17. COSATI CODES: FIELD--[illegible], GROUP--[illegible]

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19. ABSTRACT: SURFACE OBSERVATION CLIMATIC SUMMARIES (SOCS) PROVIDE CLIMATIC SUMMARIES OF SURFACE WEATHER OBSERVATIONS TAKEN AT [illegible], CIVILIAN, AND FOREIGN OBSERVING STATIONS. [illegible] OBSERVATIONS [illegible] RECORD (P.R). "SUMMARY OF DAY" (SOD) [illegible] ALL AVAILABLE DATA IN THE [illegible] CLIMATIC [illegible].

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[illegible]: USAFETAC/DS-87/[illegible]

: OPERATING LOCATION A, USAFETAC

[illegible], [illegible]

[illegible] (SJCS) FOR [illegible] OVERSEAS AIR UNITED KINGDOM

[illegible]

15. PAGE COUNT: 375

[illegible] 1 JULY 1[illegible], THIS PRODUCT REPLACED THE USAFETAC [illegible] SURFACE WEATHER OBSERVATIONS [illegible] CLIMATIC SUMMARY (LISCS). EXISTING [illegible] WERE ESSENTIALLY [illegible] REPLACED BY A SJCS.

[illegible]

[illegible] STA, ATMOSPHERIC PHENOMENA, [illegible], HUMIDITY, PRESSURE, PRECIPITATION, [illegible], [illegible] OVERSEAS AIR UNITED KINGDOM.

CLIMATIC SUMMARIES (SJCS) PROVIDE STATISTICAL [illegible] OBSERVATIONS TAKEN AND RECORDED AT SPECIFIED [illegible] STATIONS. HOURLY OBSERVATIONS ARE SUMMARIZED [illegible] "[illegible] OF DAY" (STD) INFORMATION IS SUMMARIZED [illegible] CLIMATIC DATABASE.

[illegible]T: APPROVED FOR PUBLIC RELEASE, DISTRIBUTION

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: WILLIAM R. [illegible]

[illegible]-87-[illegible] 22C. OFFICE SYMBOL: CL-A/CA, USAFETAC

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PREFACE

[illegible] 1 JULY 1[illegible], THE SURFACE OBSERVATION CLIMATIC SUMMARY (SOCS) [illegible] THREE USAFETAC PRODUCTS OF LONG STANDING: THE MUSSOR (REVISED [illegible] SUMMARY OF SURFACE WEATHER OBSERVATIONS) AND LISCOS (LIMITED SURFACE [illegible]VATION CLIMATIC SUMMARY). MUSSORS AND LISCOS [illegible] IN EXISTENCE WILL CON[illegible] USE UNTIL THEY ARE EVENTUALLY REPLACED BY SOCS.

[illegible] PRODUCT HAS BEEN ISSUED IN THREE FORMS UNDER SEVERAL DIFFERENT NAMES. IT [illegible] INTRODUCED IN THE EARLY 1940'S AS THE "SFOSUM," OR "SURFACE SUMMARY." THE [illegible] "MUSSOR," OR "UNIFORM SUMMARY OF SURFACE WEATHER OBSERVATIONS," [illegible]. THE MUSSOR GRADUALLY EVOLVED INTO THE "MUSSAR" AND THE "LISCOS." IT [illegible] THE NAME "SURFACE OBSERVATION CLIMATIC SUMMARY" OR "SOCS" IN [illegible].

SOCS (LIKE ITS PREDECESSORS) IS PREPARED BY USAFETAC'S OPERATING LOCATION [illegible]VILLE, NC 28801-2723. [illegible], CLIMATOLOGISTS USE STATE-OF-THE-ART COM[illegible] TECHNOLOGY TO SUMMARIZE WEATHER OBSERVATIONS COLLECTED FROM SELECTED MIL[illegible], CIVILIAN, AND FOREIGN REPORTING STATIONS. SUMMARIES ARE PREPARED FROM DATA [illegible] COLLECTED, QUALITY-CONTROLLED, AND STORED IN THE USAFETAC'S GLOBAL SUR[illegible] WEATHER OBSERVATION DATABASE.

[illegible] PREVIOUS VERSIONS OF THIS PRODUCT ONLY CONTAINED SIX PARTS, SOCS PROVIDES [illegible] (9-PART). THE ADDITIONS ARE THE CROSSTABS AND WEATHER-CONDITION DEGREE DAY SUMMARIES. [illegible] PART IS A BRIEF DISCUSSION OF THAT PARTICULAR PART, A DESCRIPTION [illegible] DATA, AND AN EXPLANATION OF HOW THE DATA IS OR SHOULD [illegible].

CONTENTS

INTRODUCTION

STATION PERIOD OF RECORD.

HOURLY OBSERVATIONS: JUL 7[illegible] - JUN [illegible] (MSTAR).

SUMMARY OF DAY DATA: NOV 51 - APR 57, OCT [illegible] - [illegible], [illegible] - JUN [illegible] (FROM [illegible]

SUMMARY OF DAY DATA: MAY 57 - [illegible], MAY [illegible] - [illegible] (MST TIME).

HOURS SUMMARIZED: [illegible] LST THRU [illegible] LST.

[illegible] NOTES. THESE SUMMARIES ARE COMPILED FROM "HOURLY OBSERVATIONS" AND "SUMMARY OF DAY DATA," [illegible] IN THE [illegible] [illegible] SUMMARIES. THE [illegible] [illegible] "[illegible] VALUES."

[illegible] EXPLANATIONS:

VARIABLE DISTRIBUTIONS: A [illegible] DISTRIBUTION GIVES THE JOINT DISTRIBUTIONS OF THE [illegible] VARIABLES. [illegible] THE [illegible] DISTRIBUTIONS OF [illegible] VARIABLES [illegible]. [illegible] VARIABLE DISTRIBUTIONS. [illegible] DISTRIBUTIONS ARE [illegible] AT THE [illegible] DISTRIBUTIONS.

HOURLY OBSERVATIONS: ALL [illegible] HOURLY-SPECIFIC [illegible] TIME INTERVAL (1 [illegible] DIVALENT) [illegible] VALUE.

SUMMARY OF DAY (SOD) DATA: DATA [illegible] ALL VARIABLE [illegible] SUMMARIES, INCLUDING HOURLY OBSERVATIONS, [illegible] OBSERVATIONS, [illegible], [illegible] TOTAL "SUMMARY OF DAY" DATA [illegible] IN COLUMNS 44-73 OF ARS FORM [illegible] (1 [illegible] EQUIVALENT) FOR ANY GIVEN DAY. [illegible] OCCURRENCE [illegible] NATIONAL HOURS, AND/[illegible] [illegible] IN THE SUMMARIES.

[illegible]: THE SUM OF ALL THE VALUES [illegible] [illegible].

[illegible] AMOUNT: ANY PRECIPITATION [illegible] AMOUNT [illegible] [illegible] FACT.

[illegible]: THE MIDDLE VALUE WHEN THE VALUES ARE [illegible]. IF THE NUMBER OF VALUES IS EVEN, THE MEDIAN IS [illegible] [illegible] VALUES.

PERCENT OCCURRENCE FREQUENCY (POF): IN STATISTICS, FREQUENCY IS THE NUMBER OF TIMES A GIVEN COUNT OR EVENT OCCURS. IN THE SOD, THIS IS [illegible] AS THE PERCENT OCCURRENCE FREQUENCY (POF), WHERE THE FREQUENCY (NUMBER OF OCCURRENCES) IS GIVEN AS A PERCENT OF ALL POSSIBLE OCCURRENCES IN THE SAMPLE (PERIOD SUMMARIZED). FOR EXAMPLE, IF SNOW FELL ON 5 OUT OF 100 DAYS WE COULD EXPRESS THE "PERCENT OCCURRENCE FREQUENCY" OF SNOW AS 5 PERCENT OVER THE 100-DAY PERIOD. MAY BE USED INTERCHANGEABLY WITH "PERCENT FREQUENCY OF OCCURRENCE."

PERIOD OF RECORD: THE SIZE OF THE OBSERVATIONAL DATA SAMPLE, IN YEARS.

INTRODUCTION

[illegible]: JUL 7[illegible] - [illegible] ([illegible]).

[illegible]: [illegible] - [illegible] 57, [illegible] - [illegible], SEP 5[illegible] - JUN [illegible] (FULL TIME).

[illegible]: [illegible]Y 57 - [illegible], [illegible] - [illegible] (PART TIME).

[illegible] THE [illegible].

[illegible] OBSERVATIONS" [illegible]
[illegible] ONLY [illegible] OBSERVATIONS [illegible]
[illegible]."

[illegible] JOINT [illegible]-
[illegible] AVAILABLE [illegible]-
[illegible] AND [illegible]-
[illegible]. JOINT [illegible]-
[illegible].

[illegible] VALUES [illegible]
[illegible] INTERVAL.

[illegible] OBSERVATIONAL
[illegible] OBSERVATIONS, REMARKS, AND
[illegible] 44-73 [illegible] AND FORMS 10/10A
[illegible] OCCURRING [illegible]-
[illegible] SUMMARIES.

[illegible] VALUES.

[illegible] PRECIPITATION [illegible]

[illegible] VALUES [illegible] IN [illegible]. [illegible]
[illegible]

[illegible]NCY ([illegible]): IN STATISTICS, FREQUENCY IS THE NUM-
[illegible] EVENT OCCURS. IN THE [illegible], THIS IS [illegible]
[illegible] FREQUENCY ([illegible]), [illegible] THE FREQUENCY ([illegible] OF
[illegible] PERCENT OF ALL POSSIBLE OCCURRENCES IN THE
[illegible]). FOR EXAMPLE, IF SNOW FELL ON 5 OUT OF 100 DAYS
"PERCENT OCCURRING FREQUENCY" OF SNOW AS 5 PERCENT
[illegible]. MAY BE USED INTERCHANGEABLY WITH "PERCENT FREQUENCY

[illegible] OBSERVATIONAL DATA SAMPLE, IN YEARS.

[illegible]CIPITATION: A TERM THAT INCLUDES [illegible] [illegible] PRECIPITATION AND WATER EQUIVALENT.

STANDARD DEVIATION: A MEASURE OF [illegible] [illegible] [illegible] VARIABILITY OF THE QUANTITY DISTRIBUTED ABOUT ITS ARITHMETIC MEAN. THE [illegible] THE [illegible] DEVIATION, THE GREATER THE VARIABILITY.

TIME CONVENTIONS: ALL TIMES IN THIS [illegible] ARE [illegible] LOCAL STANDARD TIME (LST). [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] THAT SHOW [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] STANDARD [illegible] [illegible] [illegible]:

0000-0200	[illegible]
0300-0500	[illegible]
[illegible]	[illegible]
[illegible]	[illegible]

NOTE 1. [illegible] [illegible] TIME PERIODS, [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] CONSECUTIVE [illegible] INTERVALS IN [illegible] [illegible].

ABBREVIATIONS USED:

[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	CENTIGRADE (CELSIUS)	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible] THAN [illegible] [illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	GREATER THAN	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	HEIGHT	[illegible]	VISIBILITY
[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	LESS THAN [illegible] [illegible]	[illegible]	[illegible]
[illegible]	LOCAL STANDARD TIME	[illegible]	[illegible]
		[illegible]	[illegible] COORDINATED [illegible]

[illegible] DESCRIPTION: A BRIEF DESCRIPTION OF THE DATA [illegible] [illegible] EACH [illegible] IN THE

[illegible] [illegible] [illegible] [illegible] [illegible] AUGUST [illegible]

[illegible] INCLUDES [illegible] PRECIPITATION AND WATER

[illegible] OF DISPERSION OR THE VARIABILITY OF THE
[illegible] ITS ARITHMETIC MEAN. THE LARGER THE STANDARD
[illegible] THE VARIABILITY.

TIMES IN THE SOCS ARE EXPRESSED IN LOCAL STANDARD TIME
[illegible] ADJUSTED ITS [illegible] DAYLIGHT SAVING TIMES IN THEIR AREAS.
[illegible] VARIABILITY, THE DATA IS SUMMARIZED USING THE
[illegible] (ALL EST):

1200-1400
1400-1700
1700-2000
2100-2300

[illegible], THE [illegible] AND LAST [illegible] PERIODS MAY HAVE
[illegible] OBSERVATION COUNTS.

[illegible]	[illegible]
[illegible]	[illegible]
[illegible]	[illegible]
[illegible]	METERS PER SECOND
[illegible]	MEAN SEA LEVEL
[illegible]	[illegible]
[illegible]	NUMBER
[illegible]	OBSERVATION
[illegible]	OBSTRUCTION
[illegible]	PERCENT OCCURRENCE FREQUENCY
[illegible]	PRECIPITATION
[illegible]	STANDARD DEVIATION
[illegible]	SUMMARY OF DAY
TEMP	TEMPERATURE
TSTM	THUNDERSTORM
VSBY	VISIBILITY
VSTA	VISITA
[illegible]	WET BULB TEMPERATURE
[illegible]	[illegible] 10/106
UTC	COORDINATED UNIVERSAL TIME

[illegible] DEFINITION OF THE DATA [illegible] EACH PART IN THE SOCS.

[illegible]

STATION NO.	STATION NAME	LATITUDE	LONGITUDE	EL
[illegible]	[illegible] BOYFORD RAF STN, UK	[illegible]	[illegible]	[illegible]

STATION LOCATION AND ESTIMATION HISTORY

[illegible]	[illegible]	TYPE OF STATION	AT THIS LOCATION FROM	TO	LATITUDE	[illegible]
1	[illegible] RAF, UK	RAF	MAY 52	MAR 54	[illegible]	[illegible]
2	SAME	SAME	APR 54	MAR 57	SAME	
3	SAME	SAME	MAY 57	AUG 5[illegible]	SAME	
4	SAME	SAME	SEP 5[illegible]	MAR 6[illegible]	SAME	[illegible]
	SAME	SAME	[illegible]	APR [illegible]	SAME	[illegible]
	SAME	SAME	MAY 6[illegible]	AUG 6[illegible]	SAME	[illegible]
7	SAME	SAME	SEP 6[illegible]	JUL 7[illegible]	SAME	
	SAME	SAME	[illegible]	[illegible] 7	SAME	
	SAME	SAME	[illegible] 7[illegible]	JUL [illegible]	SAME	[illegible]

[illegible]	AT [illegible]	[illegible] EQUIPMENT INFORMATION			
[illegible]		LOCATION	TYPE OF EQUIPMENT	TYPE	[illegible]
1	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
2	[illegible]	[illegible]	SAME	[illegible]	[illegible]
4	[illegible]	[illegible]	SAME	[illegible]	[illegible]
	[illegible]	[illegible] MAY [illegible]	[illegible]	[illegible]	[illegible]
	[illegible]	[illegible] BATTERY STA	[illegible]	[illegible]	[illegible]
	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
7	[illegible]	[illegible]	SAME	SAME	[illegible]
		[illegible] MAY 27			
	[illegible]	1. [illegible]	SAME	SAME	[illegible]
		[illegible] MAY 27			
		2. [illegible]	[illegible]		[illegible]
		[illegible] MAY [illegible]			
9	JAN 71	[illegible] SAME	[illegible]	[illegible]	[illegible]
10	[illegible] 7[illegible]	1. SAME	SAME	SAME	[illegible]
		2. SAME	SAME		[illegible]
11	[illegible]	[illegible] SAME	SAME	SAME	[illegible]

LATITUDE	LONGITUDE	FLD ELEV (FT)	CALL SIGN	WMO NUMBER
N 51 55	W 001 15	43[illegible]	EGJA	03655

ATION AND INSTRUMENTATION HISTORY

AT THIS LOCATION FROM	TO	LATITUDE	LONGITUDE	ELEV ABOVE MSL FLD (FT)	BARO (FT)	OBS PER DAY
MAY 52	MAR 54	N 51 55	W 001 15	453	421	24
APR 54	MAR 57	SAME	SAME	SAME	423	24
MAY 57	DEC 5[illegible]	SAME	SAME	SAME	455	10-17
SEP 5[illegible]	MAR 6[illegible]	SAME	SAME	SAME	SAME	24
MAR 6[illegible]	AUG 6[illegible]	SAME	SAME	437	555	24
MAY 65	AUG 69	SAME	SAME	SAME	SAME	11-13
SEP 69	JUL 72	SAME	SAME	SAME	SAME	24
AUG 72	JUL 7[illegible]	SAME	SAME	SAME	417	24
AUG 74	JUL 7[illegible]	SAME	SAME	43[illegible]	443	24

T INFORMATION

TYPE OF TRANSMITTER	TYPE OF RECEIVER	PT ABOVE GROUND	REMARKS, ADDITIONAL EQUIPMENT, OR REASON FOR CHANGE
AN/GMD-1	[illegible]	55 FT	
SAME	[illegible]	+0.5 FT	
SAME	[illegible]	30 FT	
AN/GMD-11	[illegible]	10 FT	
SAME	-2	13 FT	
SAME	[illegible]	1[illegible] FT	
SAME	SAME	SAME	
SAME	SAME	1[illegible] FT	
SAME		16 FT	
AN/GMD-20	30-352	SAME	
SAME	SAME	13 FT	
SAME		13 FT	
SAME	SAME	SAME	

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TTTTTTTTTT
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  AAAAAA
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AA      AA
AA      AA
AA      AA
AAAAAAAAAA
AAAAAAAAAA
AA      AA
AA      AA
AA      AA
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PART A

ATMOSPHERIC PHENOMENA SUMMARIES

THIS PART SUMMARIZES SPECIFIED ATMOSPHERIC PHENOMENA IN CATEGORIES AS FOLLOWS:

THUNDERSTORMS: ALL REPORTED OCCURRENCES OF THUNDERSTORMS, TORNADOES, AND [illegible]

LIQUID PRECIPITATION: RAIN OR DRIZZLE FALLING TO THE GROUND BUT NOT FREEZING.

FREEZING PRECIPITATION: FREEZING RAIN OR FREEZING DRIZZLE (GLAZE).

FROZEN PRECIPITATION: SNOW, SNOW PELLETS, SLEET, ICE GRAINS, ICE CRYSTALS, ICE PELLETS. IN JANUARY 1963, SNOW PELLETS BECAME KNOWN AS SMALL HAIL.

HAIL: ALL OCCURRENCES OF HAIL.

ALL PRECIPITATION: INCLUDES ALL OBSERVATIONS REPORTING PRECIPITATION. [illegible] MORE THAN ONE TYPE OF PRECIPITATION MAY BE INCLUDED IN THE SAME OBSERVATION, THE SUM OF PERCENTAGES IN THE INDIVIDUAL CATEGORIES MAY EXCEED THE PERCENTAGE IN THIS CATEGORY.

FOG: INCLUDES ALL REPORTED FOG, ICE FOG, AND [illegible] FOG.

SMOKE AND/OR HAZE: SMOKE, HAZE, OR COMBINATIONS OF THE TWO.

BLOWING SNOW: ALL REPORTS OF BLOWING SNOW, INCLUDING BLOWING SNOW, [illegible]

DUST AND/OR SAND: DUST, SAND, BLOWING DUST, BLOWING SAND, [illegible]

BLOWING SPRAY: THE "ALL OBSTRUCTIONS TO VISION" CATEGORY ACCOUNTS FOR ALL BLOWING SPRAY, IF AND AS REPORTED.

ALL OBSTRUCTIONS TO VISION: THIS CATEGORY INCLUDES ALL REPORTS OF OBSTRUCTIONS TO VISION. SINCE THE OCCURRENCE OF MORE THAN ONE OBSTRUCTION TO VISION MAY BE REPORTED IN THE SAME OBSERVATION, THE SUM OF THE PERCENTAGES IN THE INDIVIDUAL CATEGORIES MAY EXCEED THE PERCENTAGES IN THIS CATEGORY.

SPECIFIED PHENOMENA--PERCENT OCCURRENCE FREQUENCY.
THESE TABLES GIVE THE PERCENT OCCURRENCE FREQUENCY (OFF) OF THE ATMOSPHERIC [illegible] GIVEN. THE DATA WAS TAKEN FROM HOURLY OBSERVATIONS ONLY, AND IS SUMMARIZED AS FOLLOWS:

- BY EIGHT 3-HOUR STANDARD TIME PERIODS FOR EACH MONTH (ALL YEARS COMBINED).
- BY MONTH (ALL YEARS AND ALL HOURS COMBINED).
- BY YEAR (ALL YEARS AND ALL HOURS COMBINED).

PART A

SPHERIC PHENOMENA SUMMARIES

ATMOSPHERIC PHENOMENA IN CATEGORIES AS FOLLOWS:

OCCURRENCES OF THUNDERSTORMS, TORNADOES, AND WATERSPOUTS.

RAIN OR DRIZZLE FALLING TO THE GROUND BUT NOT FREEZING.

FREEZING RAIN OR FREEZING DRIZZLE (GLAZE).

SNOW PELLETS, SLEET, SNOW GRAINS, ICE CRYSTALS, ICE
SNOW PELLETS BECAME KNOWN AS SMALL HAIL.

HAIL.

ALL OBSERVATIONS REPORTING PRECIPITATION. BECAUSE
PRECIPITATION MAY BE INCLUDED IN THE SAME OBSERVATION,
THE INDIVIDUAL CATEGORIES MAY EXCEED THE PERCENTAGES

FOG, ICE FOG, AND SUPERCOOLED FOG.

HAZE, OR COMBINATIONS OF THE FOG.

OR BLOWING SNOW, INCLUDING DRIFTING SNOW, WHEN REPORTED.

SAND, BLOWING DUST, BLOWING SAND, OR COMBINATIONS OF THESE.

OBSTRUCTIONS TO VISION" CATEGORY ACCOUNTS FOR BLOWING

THIS CATEGORY INCLUDES ALL REPORTS OF OBSTRUCTIONS
THE CAUSE OF THE OBSTRUCTION TO VISION MAY BE
VARIED, THE SUM OF THE PERCENTAGES IN THE INDIVIDUAL
PERCENTAGES IN THIS CATEGORY.

OCCURRENCE FREQUENCY.
OCCURRENCE FREQUENCY (OCF) FOR THE ATMOSPHERIC PHENOMENA
FROM HOURLY OBSERVATIONS ONLY, AND IS SUMMARIZED AS

TIME PERIODS FOR EACH MONTH (ALL YEARS COMBINED).

ALL YEARS COMBINED).

ALL HOURS COMBINED).

SPECIFIED PHENOMENA--PERCENT OCCURRENCE FREQUENCY (PF).
THIS TABLE IS THE ONLY ONE IN PART A THAT IS PRODUCED FROM SUMMARY OF
DATA. DATA IS SUMMARIZED MONTHLY AND ANNUALLY FOR ALL YEARS COMBINED

THUNDERSTORMS--PERCENT OCCURRENCE FREQUENCY.
THIS TABLE GIVES THE PERCENT OCCURRENCE FREQUENCY OF THUNDERSTORMS
THE HOURLY OBSERVATION. DATA IS SUMMARIZED SAME AS FOR FIRST TABLE

SPECIFIED PHENOMENA VS WIND DIRECTION--PERCENT OCCURRENCE FREQUENCY.
THESE TABLES INCLUDE SUMMARY OF MONTH FOR ALL HOURS AND YEARS COMBIN
DIRECTION CATEGORIES ARE AS SPECIFIED BY THE LOCAL WEATHER STATION.

NOTE 1: REPORTING PRACTICES HAVE CHANGED WITH TIME. METAR AND SYNOPTIC
REQUIRED (ON AWS FORMS 10/10A) AND TRANSMIT ONCELINE ONLY THE HIGHEST
SYNOPTIC PHENOMENA THAT AFFECTS VISIBILITY. METAR STATIONS STARTED THI
JANUARY 1968, BUT SYNOPTIC STATIONS ALWAYS DID IT THAT WAY. IN JANUA
STATIONS STARTED RECORDING ALL ATMOSPHERIC PHENOMENA THAT AFFECTED VI
CONTINUED TO TRANSMIT ONLY THE HIGHEST PRIORITY. FOR EXAMPLE, IF THE
OBSERVATION INCLUDED RAIN, FOG AND HAZE, ONLY THE RAIN WAS TRANSMITTED.
THESE PROCEDURES, THE USAFETAC DATABASE WOULD SHOW ONLY RAIN AS AN
OCCURRENCE. THE OBSTRUCTION TO VISION (AND TO A LESSER EXTENT, PRECIP
SUMMARIES FOR METAR AND SYNOPTIC STATIONS ARE HIGHLY JUSTIFIABLE.

NOTE 2: PRIOR TO METAR REPORTING STATIONS FREQUENTLY DID NOT TRANSMIT
VISIBILITY WHEN VISIBILITIES EXCEED 1000 METERS.

NOTE 3: A VALUE OF ".0" IN ANY SUMMARY REPRESENTS ONE OR MORE OCCURR
ALTHOUGH, AMOUNT IS LESS THAN .05 PERCENT.

NOTE 4: DURING PART TIME PERIODS, THESE TABLES MAY NOT ACCURATELY REFL
AT/OR WEEKEND OCCURRENCES OF CERTAIN PHENOMENA.

I OCCURRENCE FREQUENCY (OOF).
IN PART A THAT IS PRODUCED FROM SUMMARY OF DAY
MONTHLY AND ANNUALLY FOR ALL YEARS COMBINED.

FREQ. FREQUENCY.
OF OCCURRENCE FREQUENCY OF THUNDERSTORMS REPORTED ON
ATA IS SUMMARIZED SAME AS FOR FIRST TABLE IN THIS PART.

DIRECTION--PERCENT OCCURRENCE FREQUENCY.
ARY OF MONTH FOR ALL HOURS AND YEARS COMBINED. WIND
AS SPECIFIED BY THE LOCAL WEATHER STATION.

HAVE CHANGED WITH TIME. METAR AND SYNOPTIC REPORTING STATIONS
AND TRANSMIT ONSCLINE ONLY THE HIGHEST ORDER ATMOS-
CTS VISIBILITY. METAR STATIONS STARTED THIS PROCEDURE IN
STATIONS ALWAYS DID IT THAT WAY. IN JANUARY 1970, METAR
ALL ATMOSPHERIC PHENOMENA THAT AFFECTED VISIBILITY, BUT
THE HIGHEST ORDER. FOR EXAMPLE, IF THE RECORDED OBS-
AND HAZE, ONLY THE RAIN WAS TRANSMITTED. BECAUSE OF
TAC DATABASE WOULD SHOW ONLY RAIN AS AN OBSTRUCTION.
TO VISION (AND TO A LESSER EXTENT, PRECIPITATION)
SYNOPTIC STATIONS ARE HIGHLY QUESTIONABLE.

STATIONS FREQUENTLY DO NOT TRANSMIT OBSTRUCTIONS TO
EXCEED 1000 METERS.

SUMMARY REPRESENTS ONE OF MORE OCCURRENCES THAT, IN
THAN 50 PERCENT.

DOS, THESE TABLES MAY NOT ACCURATELY REFLECT NIGHTTIME
OF CERTAIN PHENOMENA.

PROBABILITY LOCATION MAP
USAFETAC, ASHEVILLE, NC

PERCENTAGE FREQUENCY OF HOURS WITH VARIOUS ATMOSPHE
FROM HOURLY OBSERVATIONS

STATION NUMBER: [illegible] STATION NAME: [illegible]
LST TO UTC: - [illegible]

PERIOD OF RECORD
MONTH: JAN

HOURS (LST)	ISTMS	LIGHT PRECIP	FREEZ PRECIP	FROZEN PRECIP	HAIL	ALL PRECIP	FOG	SMOKE H/D HAZ	BLOWING SNOW	DUST H/D SAND
[illegible]-02		13.3	.2	2.8		19.3	24.0	5.1	.1	
03-05	.1	13.3	.2	4.3		17.[illegible]	25.[illegible]	5.1		
[illegible]-[illegible]		14.1	1.3	5.4		19.[illegible]	23.[illegible]	5.1		
09-11		14.[illegible]	.8	7.3		24.[illegible]	24.4	5.[illegible]		
12-14	.1	14.[illegible]	.5	7.2		23.[illegible]	19.7	9.[illegible]	.1	
15-17		14.[illegible]	.3	6.2		23.[illegible]	19.1	14.1	.[illegible]	
18-20		14.1		4.[illegible]		18.1	14.[illegible]	12.3	.[illegible]	
21-23		14.[illegible]		2.3		16.7	22.2	[illegible]	.3	
ALL HOURS	.[illegible]	13.[illegible]	.4	4.8		18.7	21.[illegible]	[illegible]	.1	

[illegible]

[illegible]-[illegible]		13.[illegible]	.5	5.5		18.	24.3	13.[illegible]	.3	
03-05		14.1	1.4	4.1		19.7	26.[illegible]	12.[illegible]	.1	
06-[illegible]		14.1	1.4	4.2		19.7	31.[illegible]	12.1		
09-11		13.1	.3	7.1		21.[illegible]	25.5	13.7	.[illegible]	
12-14		13.1	.5	5.0		19.5	17.[illegible]	13.	.[illegible]	
1[illegible]-17		13.[illegible]	.2	4.1		17.3	13.[illegible]	22.[illegible]		
1[illegible]-20		13.[illegible]	.2	3.5		17.7	15.[illegible]	15.[illegible]		.
21-23		13.[illegible]	.9	3.[illegible]		17.7	22.5	12.[illegible]		
ALL HOURS		13.5	.8	4.8		19.[illegible]	21.9	15.3	.1	.

[illegible] FREQUENCY OF HOURS WITH VARIOUS ATMOSPHERIC PHENOMENA
FROM HOURLY OBSERVATIONS

[illegible] HOLYOKE [illegible] PERIOD OF RECORD: JUL [illegible] - JUN [illegible]
MONTH: JAN

HAIL	ALL PRECIP	FOG	SMOKE &/OR HAZE	BLOWING SNOW	DUST &/OR SAND	ALL OBST TO VSN	TOTAL NO. OF OBS
	16.3	24.0	5.1	.1		46.6	930
	17.[illegible]	23.[illegible]	5.1			45.7	930
	19.5	23.4	5.1			49.[illegible]	930
	24.0	24.4	5.5			58.9	930
	23.[illegible]	19.7	9.[illegible]	.1		53.3	930
	23.5	15.1	14.1	.3		51.1	930
	13.1	19.0	12.3	.3		44.7	930
	16.7	22.2	9.4	.3		45.9	930
	18.7	21.5	[illegible]	.1		49.[illegible]	7440

MONTH: [illegible]

	19.[illegible]	24.3	13.4	.4		57.3	849
	19.7	26.5	12.2	.1		55.7	849
	18.7	31.0	12.1			51.[illegible]	849
	21.[illegible]	25.5	13.7	.4		55.5	849
	19.5	15.[illegible]	13.[illegible]	.4		54.5	849
	17.[illegible]	13.[illegible]	22.5			53.1	849
	17.7	15.8	15.4		.1	51.0	849
	17.7	22.5	12.[illegible]			52.7	849
	19.0	21.9	15.8	.1	.0	56.9	6792

[illegible] PERCENTAGE FREQUENCY OF HOURS WITH [illegible]
USAFETAC, ASHEVILLE, NC [illegible]

STATION NUMBER: [illegible] STATION NAME: [illegible]
LST TO UTC: - 6

HOURS (LST)	FOG	LIGHT PRECIP	RAIN PRECIP	FREEZING PRECIP	HAIL	ALL PRECIP	[illegible]	[illegible]	[illegible]
03-05		[illegible]	[illegible]			[illegible]	[illegible]	[illegible]	
06-08		[illegible]	[illegible]			[illegible]	[illegible]	[illegible]	
09-[illegible]		[illegible]	[illegible]			[illegible]	[illegible]	[illegible]	
09-11		[illegible]	[illegible]			[illegible]	[illegible]	[illegible]	
12-14		[illegible]	[illegible]			[illegible]	[illegible]	[illegible]	
15-17	.1	[illegible]	[illegible]			[illegible]	[illegible]	[illegible]	
18-20		[illegible]	[illegible]			[illegible]	[illegible]	[illegible]	
21-23		[illegible]	[illegible]			[illegible]	[illegible]	[illegible]	
ALL HOURS	.1	[illegible]	[illegible]			[illegible]	[illegible]	[illegible]	

[illegible]

03-05	.1	11.4	1.0			12.4	13.4	17.[illegible]	
06-08		11.[illegible]	1.0			12.[illegible]	[illegible].7	[illegible]	
09-[illegible]		11.[illegible]	.[illegible]			12.[illegible]	[illegible]	17.[illegible]	
09-11		11.4	1.1			12.6	[illegible].1	1[illegible]	
12-14	.[illegible]	1[illegible]	.[illegible]			11.1	[illegible].4	13.4	
15-17	.[illegible]	11.1	.[illegible]		.1	12.1	1.[illegible]	1[illegible]	
18-20		12.1	.[illegible]			12.[illegible]	[illegible]	13.[illegible]	
21-23	.1	1[illegible].[illegible]	.7			11.0	[illegible].4	[illegible]	
ALL HOURS	.1	11.2	.9		.0	12.1	11.3	13.3	

[illegible] FREQUENCY OF HOURS WITH VARIOUS ATMOSPHERIC PHENOMENA
[illegible] MONTHLY OBSERVATIONS

[illegible] YORK [illegible] PERIOD OF RECORD: JUL 7[illegible] - JUN 8[illegible]
MONTH: MAR

[illegible]	ALL PRECIP	FOG	SMOKE	BLOWING DUST	DUST/SAND	ALL OBST TO VIS	TOTAL OBS
	1[illegible].1	1[illegible].6	7.2			43.2	932
	2[illegible].[illegible]	2[illegible].[illegible]	7.[illegible]			[illegible].[illegible]	932
	[illegible].[illegible]	[illegible].2	1[illegible].			[illegible].[illegible]	[illegible]
	[illegible].[illegible]	1[illegible].[illegible]	1[illegible].[illegible]			[illegible].[illegible]	930
	[illegible].[illegible]	7.[illegible]	1[illegible].			[illegible].	[illegible]
	[illegible].	[illegible].1	1[illegible].2			[illegible].[illegible]	[illegible]
	1[illegible].[illegible]	7.3	11.1			[illegible].	[illegible]
	1[illegible].[illegible]	11.[illegible]	[illegible]			[illegible].[illegible]	[illegible]
	[illegible].	1[illegible].2	1[illegible].[illegible]			[illegible].[illegible]	7[illegible]
				MONTH: [illegible]			
	1[illegible].[illegible]	1[illegible].4	1[illegible].[illegible]			[illegible].[illegible]	[illegible]
	1[illegible].[illegible]	[illegible].7	[illegible].[illegible]			[illegible].[illegible]	[illegible]
	1[illegible].[illegible]	[illegible].	1[illegible].7			[illegible].	[illegible]
	1[illegible].[illegible]	[illegible].1	1[illegible].[illegible]			41.[illegible]	[illegible]
	11.1	[illegible].4	13.4			[illegible].[illegible]	[illegible]
[illegible]	1[illegible].1	1.[illegible]	1[illegible].2			[illegible].[illegible]	[illegible]
	12.[illegible]	[illegible].[illegible]	13.2			[illegible].[illegible]	[illegible]
	11.[illegible]	[illegible].4	[illegible].[illegible]			25.2	[illegible]
[illegible]	1[illegible].1	11.[illegible]	13.3			35.7	7[illegible]

[illegible]

[illegible]

STATION NUMBER: [illegible] STATION NAME: [illegible]
EST TIMES: - [illegible]

[illegible] (MST)	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	.1	[illegible]				[illegible]	[illegible]	[illegible]	
[illegible]	.1	[illegible]				[illegible]	[illegible]	[illegible]	
[illegible]	[illegible]	[illegible]				[illegible]	[illegible]	[illegible]	
[illegible]		[illegible]				[illegible]	[illegible]	[illegible]	
[illegible]	[illegible]	[illegible]			.1	[illegible]	[illegible]	[illegible]	
[illegible]	[illegible]	[illegible]		.1		[illegible]	[illegible]	[illegible]	
[illegible]	[illegible]	[illegible]		.1		[illegible]	[illegible]	[illegible]	
[illegible]	.1	[illegible]		.1		[illegible]	[illegible]	[illegible]	
[illegible]									
[illegible]	.1	[illegible]		.1	.1	[illegible]	[illegible]	[illegible]	
[illegible]									
[illegible]	.1	[illegible]				[illegible]	[illegible]	[illegible]	
[illegible]	[illegible]	[illegible]				[illegible]	[illegible]	[illegible]	
[illegible]	[illegible]	[illegible]				[illegible]	[illegible]	[illegible]	
[illegible]		[illegible]				[illegible]	[illegible]	[illegible]	
[illegible]	[illegible]	[illegible]				[illegible]	[illegible]	[illegible]	
[illegible]	[illegible]	[illegible]				[illegible]	[illegible]	[illegible]	
[illegible]	[illegible]	[illegible]				[illegible]	[illegible]	[illegible]	
[illegible]		[illegible]				[illegible]	[illegible]	[illegible]	
[illegible]		[illegible]				[illegible]	[illegible]	[illegible]	
[illegible]	[illegible]	[illegible]				[illegible]	[illegible]	[illegible]	
[illegible]	[illegible]	[illegible]				[illegible]	[illegible]	[illegible]	
[illegible]		[illegible]				[illegible]	[illegible]	[illegible]	
ALL [illegible]	[illegible]	[illegible]				[illegible]	[illegible]	[illegible]	

[illegible] FREQUENCY OF HOURS WITH VARIOUS ATMOSPHERIC PHENOMENA
[illegible] HOURLY [illegible] RATIOS

[illegible] PERIOD OF RECORD: JUL [illegible] - JUN [illegible]
MONTH: MAY

[illegible]	ALL [illegible]	FOG	SMOKE [illegible]	BLOWING [illegible]	DUST [illegible]	ALL DUST [illegible]	TOTAL NO. OBS
	[illegible]	[illegible]	[illegible]			[illegible]	[illegible]
	[illegible]	[illegible]	[illegible]			[illegible]	[illegible]
	[illegible]	[illegible]	[illegible]			[illegible]	[illegible]
	[illegible]	[illegible]	[illegible]			[illegible]	[illegible]
	[illegible]	[illegible]	[illegible]			[illegible]	[illegible]
.1	[illegible]	[illegible]	[illegible]			[illegible]	[illegible]
	[illegible]	[illegible]	[illegible]			[illegible]	[illegible]
	[illegible]	[illegible]	[illegible]			[illegible]	[illegible]
	[illegible]	[illegible]	[illegible]			[illegible]	[illegible]
	[illegible]	[illegible]	[illegible]			[illegible]	[illegible]
.	[illegible]	[illegible]	[illegible]			[illegible]	[illegible]
				MONTH: JUN			
	[illegible]	[illegible]	[illegible]			[illegible]	[illegible]
	[illegible]	[illegible]	[illegible]			[illegible]	[illegible]
	[illegible]	[illegible]	[illegible]			[illegible]	[illegible]
	[illegible]	[illegible]	[illegible]			[illegible]	[illegible]
	[illegible]	[illegible]	[illegible]			[illegible]	[illegible]
	12.7	2.4	7.4			22.[illegible]	[illegible]
	11.1	2.[illegible]	9.7			23.[illegible]	[illegible]
	[illegible]	7.[illegible]	[illegible]			36.[illegible]	[illegible]
	12.3	12.3	10.3			34.[illegible]	7200

OPERATIONS LOCATION "A" PERCENTAGE FREQUENCY OF HOURS WITH VARIOUS ATMOSPHERIC
WASHINGTON, ASHVILLE NC FROM HOURLY OBSERVATIONS

STATION NUMBER: 3668 STATION NAME: UPPER HEYFORD RAF UK PERIOD OF RECORD
LST TO UTC: - 0 MONTH: JUL

HOURS (LST)	FOGS	LIGHT PRECIP	FREZ PRECIP	FROZEN PRECIP	HAIL	ALL PRECIP	FOG	SMOKE W/O HAZE	ALWAYS W/O	LIFT W/ SAL
00-02		1.3				13.3	15.3	7.1		
03-05	.1	13.3				13.5	31.9	4.4		
06-	.3	13.4				13.5	21.9	13.1		
09-11	.3	13.3				13.7	7.1	12.3		
12-14	.1	9.3				9.1	1.7	11.7		
15-17	.1	.				9.3	1.	4.1		
18-	.3	.7				4.3	1.7	13.7		
21-	.7	9.4				4.1	4.3	13.3		
ALL HOURS	.3	9.4				9.4	13.1	13.5		

MONTH: JUL

00-02	.3	.7				9.7	15.5	9.3		
03-05	.1	11.3				11.1	17.1	7.3		
06-	.1	9.				9.	31.1	11.3		
09-11	.3	13.1				13.1	4.1	14.2		
12-14	.1	11.1				11.1	2.2	9.3		
15-17	.1	11.1				11.7	1.2	13.5		
18-20	.3	11.3				11.5	2.4	15.1		
21-23	.4	.7				8.7	7.4	12.5		
ALL HOURS	.1	10.3				10.3	12.1	13.		

PERCENTAGE FREQUENCY OF HOURS WITH VARIOUS ATMOSPHERIC PHENOMENA
FROM HOURLY OBSERVATIONS

[illegible] AFB, [illegible] PERIOD OF RECORD: JUL 73 - JUN 83
MONTH: JUL

HOUR	ALL PRECIP	FOG	SMOKE H/ZR HAZE	BLOWING SAND	DUST H/ZR SAND	ALL VIS TO VSN	TOTAL NO. OF OBS
	13.0	15.3	9.1			33.3	930
	13.5	31.8	4.4			50.5	930
	18.6	21.5	13.1			45.4	930
	19.[illegible]	5.1	17.3			27.3	930
	6.[illegible]	1.7	11.7			20.2	930
	9.[illegible]	1.[illegible]	6.1			15.1	930
	6.3	1.7	15.3			21.4	930
	9.5	5.[illegible]	10.3			24.7	930
	9.4	10.4	10.5			30.5	7440
			MONTH: AUG				
	9.7	16.5	9.2			35.0	930
	11.3	29.2	7.3			47.[illegible]	930
	9.[illegible]	33.1	13.[illegible]			44.6	930
	10.[illegible]	5.1	10.2			24.3	930
	11.1	2.2	9.3			23.0	930
	11.2	1.2	10.5			22.9	930
	11.5	2.4	16.1			30.0	930
	8.7	7.4	12.5			28.6	930
	10.3	12.1	10.3			33.2	7440

OPERATING LOCATION "A"
[illegible], ASHEVILLE, NC

PERCENTAGE FREQUENCY OF [illegible] WITH VISIBILITY [illegible]
[illegible] MONTHLY [illegible] [illegible]

STATION NUMBER: [illegible] STATION NAME: [illegible]
LST TO UTC: [illegible]

HOURS (LST)	FOG	LIGHT PRECIP	SNOW PRECIP	FROZEN PRECIP	HAIL	ALL PRECIP	[illegible]	SNOW [illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]				[illegible]	17.[illegible]	[illegible].7		
[illegible]		1[illegible]				10.[illegible]	[illegible].7	[illegible].4		
[illegible]	.1	11.[illegible]				11.[illegible]	31.[illegible]	1[illegible]		
[illegible]-11	.1	[illegible]				[illegible].1	11.[illegible]	12.[illegible]		
12-14		[illegible]				[illegible]	[illegible]	1[illegible]		
15-17	[illegible]	.7				[illegible]	[illegible]	11.1		
18-[illegible]	.1	[illegible]				[illegible]	[illegible].1	1[illegible]		
21-[illegible]	[illegible]	[illegible]				[illegible]	[illegible]	1[illegible]		
ALL HOURS	.3	[illegible]				[illegible]	13.[illegible]	11.[illegible]		

[illegible]

[illegible]-[illegible]		1[illegible]				1[illegible]	[illegible]	7.[illegible]		
[illegible]-[illegible]		17.[illegible]				17.[illegible]	[illegible]	[illegible]		
[illegible]-[illegible]		1[illegible].7				1[illegible].7	[illegible]	[illegible]		
[illegible]-11		1[illegible]				1[illegible]	[illegible]	13.[illegible]		
12-14		1[illegible]		.2		13.[illegible]	[illegible]	11.4		
15-17		1[illegible]				1[illegible]	[illegible]	11.1		
1[illegible]-[illegible]		1[illegible]				13.[illegible]	[illegible]	11.1		
21-[illegible]		1[illegible]				1[illegible]	1[illegible].1	11.[illegible]		
ALL HOURS		1[illegible]		.0		1[illegible]	1[illegible].7	[illegible]		

FREQUENCY OF HOURS WITH VARIOUS ATMOSPHERIC PHENOMENA
FROM HOURLY OBSERVATIONS

[illegible] RAF [illegible] PERIOD OF RECORD: JUL 7[illegible] - JUN 8[illegible]
MONTH: SEP

[illegible]	ALL PRECIP	FOG	SMOKE &/OR HAZE	BLOWING SNOW	DUST &/OR SAND	ALL OBST TO VSBY	TOTAL NO. OF OBS
	[illegible].0	17.[illegible]	[illegible].7			36.0	900
	10.[illegible]	23.7	[illegible].4			45.7	900
	11.[illegible]	31.4	1[illegible].0			[illegible].4	900
	[illegible].1	11.6	12.3			33.0	900
	[illegible].3	[illegible].2	1[illegible]			22.6	900
	[illegible].7	[illegible].[illegible]	11.1			22.1	900
	[illegible].[illegible]	4.1	1[illegible]			23.3	900
	[illegible].[illegible]	[illegible]	12.[illegible]			31.1	900
	[illegible].[illegible]	13.[illegible]	11.[illegible]			34.1	7200

MONTH: OCT

	1[illegible].[illegible]	[illegible]	7.3			46.[illegible]	930
	17.[illegible]	[illegible].2	[illegible]			[illegible]	930
	1[illegible].7	[illegible]	[illegible]			[illegible].7	930
	1[illegible].[illegible]	21.[illegible]	13.[illegible]			48.[illegible]	930
	13.[illegible]	[illegible].2	11.4			34.2	930
	1[illegible]	5.4	11.1			33.2	930
	13.[illegible]	[illegible].6	11.1			33.[illegible]	930
	14.[illegible]	16.1	11.2			41.1	930
	15.0	18.7	9.8			43.5	7440

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE, NC

PERCENTAGE FREQUENCY OF HOURS WITH VARIOUS ATMOSPHERIC
FROM HOURLY OBSERVATIONS

STATION NUMBER: [illegible] STATION NAME: [illegible]
LST DIFF UTC: - [illegible]

PERIOD OF RECORD: [illegible]

HOURS (LST)	FOGS	LIGHT PRECIP	FREEZ PRECIP	FROZEN PRECIP	HAIL	ALL PRECIP	FOG	SMOKE // HAZE	BLOWING [illegible]	DUST // SAND
20-22		15.7		.2		15.9	24.[illegible]	5.7		
23-25		15.[illegible]		.2		15.[illegible]	25.[illegible]	5.[illegible]		
[illegible]		14.7		.5		15.2	2[illegible]	[illegible]		
09-11		1[illegible]		.5		17.4	2[illegible]	[illegible]		
12-14		17.[illegible]		.4		17.7	1[illegible].7	11.[illegible]		
1[illegible]-17		1[illegible]		.3		1[illegible]	1[illegible]	1[illegible]		
1[illegible]		12.7		.1		17.[illegible]	1[illegible]	[illegible].7		
21-23		1[illegible]		.2		1[illegible]	2[illegible].1	[illegible]		
ALL HOURS		1[illegible]		.3		1[illegible]	21.[illegible]	[illegible]		

[illegible]

[illegible]-2		1[illegible].3	.1	1.3		17.7	21.7	[illegible]		
[illegible]-5		14.[illegible]		2.2		1[illegible]	23.[illegible]	[illegible].7		
[illegible]		1[illegible].1		1.[illegible]		1[illegible].7	[illegible]	[illegible].1		
[illegible]-11		17.7		[illegible].7		23.4	24.[illegible]	[illegible]		
12-14		1[illegible].7		2.7		1[illegible].4	17.[illegible]	1[illegible]		
15-17		14.[illegible]		2.6		17.5	1[illegible].2	14.[illegible]		
1[illegible]-20		1[illegible].7		[illegible].3	.1	1[illegible].1	1[illegible].5	9.[illegible]		
21-23		15.[illegible]		1.5		1[illegible].4	1[illegible].5	[illegible]		
ALL HOURS		1[illegible].1	.0	1.2	.0	1[illegible].4	20.2	[illegible]		

FREQUENCY OF HOURS WITH VARIOUS ATMOSPHERIC PHENOMENA
FROM HOURLY OBSERVATIONS

YEOMAN RAF JK PERIOD OF RECORD: JUL 7[illegible] - JUN [illegible]
MONTH: NOV

ALL PRECIP	FOG	SMOKE &/OR HAZE	BLOWING SNOW	DUST &/OR SAND	ALL OBST TO VSN	TOTAL NO. OF OBS
15.3	24.8	6.7			47.3	900
15.[illegible]	25.[illegible]	5.5			47.3	900
15.2	27.3	5.[illegible]			51.4	900
17.4	25.[illegible]	9.[illegible]			53.[illegible]	900
17.7	15.7	11.3			44.7	900
1[illegible].[illegible]	1[illegible].[illegible]	1[illegible].			4[illegible].[illegible]	[illegible]
17.[illegible]	15.9	[illegible].7			42.3	900
15.[illegible]	2[illegible].1	4.[illegible]			42.7	90[illegible]
15.[illegible]	21.5	[illegible].7			46.[illegible]	7200

MONTH: DEC

17.7	21.7	5.[illegible]			45.3	930
15.[illegible]	23.5	5.7			45.[illegible]	930
1[illegible].7	22.0	5.1			46.[illegible]	930
2[illegible].4	24.0	9.0			53.4	930
1[illegible].4	17.[illegible]	13.0			49.2	930
17.5	15.2	14.[illegible]			48.7	930
1[illegible].1	15.5	9.[illegible]			45.5	930
1[illegible].4	1[illegible].5	6.[illegible]			44.5	930
1[illegible].4	20.2	9.0			47.5	7440

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF VARIOUS ATMOSPHERIC PH
FOR HOURLY OBS VARIOUS

STATION NUMBER: [illegible] STATION NAME: [illegible]
LST TO UTC: - 0

MONTH	ICING	LIQUID PRECIP	FREEZ PRECIP	FROZEN PRECIP	HAIL	ALL PRECIP	FOG	SMOKE C/P HAZE	BLOWING SNOW
JAN	.0	[illegible]	.4	[illegible]		[illegible]	[illegible]	[illegible]	.1
FEB		[illegible]	.1	[illegible]		[illegible]	[illegible]	[illegible]	.1
MAR	.0	[illegible]		[illegible]		[illegible]	[illegible]	[illegible]	
APR	.1	[illegible]		.0	.0	[illegible]	[illegible]	[illegible]	
MAY	.0	[illegible]		.1	.0	[illegible]	[illegible]	[illegible]	
JUN	.	[illegible]				[illegible]	[illegible]	[illegible]	
JUL	.0	[illegible]				[illegible]	[illegible]	[illegible]	
AUG	.0	[illegible]				[illegible]	[illegible]	[illegible]	
SEP	.	[illegible]				[illegible]	[illegible]	[illegible]	
OCT		[illegible]		.0		[illegible]	[illegible]	[illegible]	
NOV		[illegible]		.0		[illegible]	[illegible]	[illegible]	
DEC		[illegible]	.0	[illegible]	.0	[illegible]	[illegible]	[illegible]	
ANNUAL	.0	[illegible]	.1	1.3	.0	[illegible]	[illegible]	[illegible]	.0

FREQUENCY OF VARIOUS ATMOSPHERIC PHENOMENA
FROM HOURLY OBSERVATIONS

[illegible] AFB, [illegible]

PERIOD OF RECORD: JUL 74 - JUN 83
HOURS: ALL

ALL PRECIP	FOG	SMOKE &/OR HAZE	BLOWING SNOW	DUST &/OR SAND	ALL MOST TO VSB	TOTAL NO. OF OBS
11.7	21.6	[illegible]	.1		49.2	7440
17.[illegible]	21.9	15.[illegible]	.1	.0	50.9	5792
21.[illegible]	14.2	[illegible]			46.3	744[illegible]
12.1	11.3	13.3			36.7	7200
15.[illegible]	12.[illegible]	12.0			39.[illegible]	7440
12.[illegible]	12.[illegible]	13.3			34.[illegible]	7200
[illegible]	10.[illegible]	12.5			32.5	7440
1[illegible]	12.1	13.[illegible]			33.2	7440
[illegible]	13.[illegible]	11.[illegible]			34.1	720[illegible]
15.[illegible]	18.7	[illegible]			43.[illegible]	7440
15.[illegible]	21.[illegible]	[illegible]			45.[illegible]	7200
15.4	25.[illegible]	[illegible]			47.[illegible]	7440
14.[illegible]	15.9	10.[illegible]	.0	.0	41.5	37672

OPERATING LOCATION [illegible]
OCAMECIAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF DAYS WITH VARIOUS ATM
[illegible] SUMMARY [illegible] DATA

STATION NUMBER: [illegible] STATION NAME: UPPER HEYFORD [illegible]
LST TO UTC: +0[illegible]

MONTH	TSTMS	LIQUID PRECIP	FREEZ PRECIP	FROZEN PRECIP	HAIL	ALL PRECIP	FOG	SM [illegible]
JAN	.4	[illegible].5	1.[illegible]	22.2	.[illegible]	72.1	57.4	5[illegible]
FEB	.2	[illegible].2	1.[illegible]	23.[illegible]	.2	[illegible].[illegible]	[illegible]	7[illegible]
MAR	.[illegible]	[illegible]	.1	1[illegible].[illegible]	.[illegible]	[illegible]	[illegible]	7[illegible]
APR	2.[illegible]	[illegible]		[illegible].4	2.7	[illegible].4	45.[illegible]	7[illegible]
MAY	[illegible].7	[illegible].[illegible]		1.[illegible]	2.[illegible]	[illegible].[illegible]	49.3	[illegible]
JUN	[illegible].[illegible]	[illegible]		.1	1.[illegible]	57.[illegible]	[illegible].7	[illegible]
JUL	[illegible]	[illegible]			.[illegible]	[illegible]	41.[illegible]	[illegible]
AUG	[illegible].7	[illegible]			.1	[illegible]	[illegible]	[illegible]
SEP	[illegible]	[illegible]			.4	[illegible]	[illegible]	[illegible]
OCT	1.[illegible]	[illegible].1		.4	.[illegible]	[illegible].1	[illegible]	[illegible]
NOV	.[illegible]	[illegible]		4.[illegible]	.[illegible]	[illegible].7	[illegible]	[illegible]
DEC	.[illegible]	[illegible]	.4	1.[illegible]	.[illegible]	[illegible]	.[illegible]	[illegible]
ANNUAL	[illegible]	[illegible].7	.[illegible]	7.3	[illegible]	[illegible].1	[illegible]	[illegible]

[illegible]CY OF DAYS WITH VARIOUS ATMOSPHERIC PHENOMENA
[illegible] SUMMARY OF DAY DATA

[illegible] [illegible] [illegible] PERIOD OF RECORD: 5111-5704,5809-6504,6609-8806
MONTH: ALL HOURS: ALL

[illegible]	ALL PRECIP	FOG	SMOKE &/OR HAZE	BLOWING SNOW	DUST &/OR SAND	ALL OBST TO VSBY	TOTAL NO. OF OBS
.[illegible]	72.1	57.4	63.[illegible]	.2		95.1	1085
.[illegible]	64.9	54.[illegible]	72.3	.7		95.6	990
.[illegible]	65.[illegible]	54.4	73.5			94.1	1085
[illegible].7	61.4	46.[illegible]	73.4			92.0	1048
[illegible]	61.3	45.3	59.2			93.9	992
[illegible]	57.[illegible]	47.7	61.4			97.1	963
.[illegible]	55.0	43.[illegible]	62.[illegible]			94.3	961
.1	60.4	43.[illegible]	66.[illegible]			91.0	974
.[illegible]	67.7	[illegible]	67.[illegible]			91.[illegible]	995
.	62.1	62.4	67.[illegible]			93.6	1054
.[illegible]	[illegible].7	56.4	63.[illegible]			94.4	1050
.[illegible]	[illegible]	[illegible].7	66.[illegible]	.[illegible]		95.1	1085
.	63.1	53.6	65.[illegible]	.2		92.2	12279

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE, NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF [illegible]
[illegible] JULY [illegible] OBSERVATIONS

STATION NUMBER: [illegible] STATION NAME: UPPER [illegible] [illegible]
LST TO UTC: - 0

HOURS (LST)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
00-02				.1	.1	.3		.2	.4
03-[illegible]	.1				.1	.4	.2	.2	
[illegible]					.4	.2	.4	.1	.1
09-11							.2	.4	.1
12-14	.1			.2	.4	.5	.5	.4	
15-17			.1	.5	.3	1.0	.4	.3	.3
18-[illegible]					.3	1.0	.4	.4	.1
21-23				.1	.1		.	.	.[illegible]
ALL [illegible]	.[illegible]		.2	.1	.2	.	.[illegible]	.1	.
TOTAL [illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

PERCENTAGE FREQUENCY OF OCCURRENCE OF THUNDERSTORMS
[illegible] DAILY OBSERVATIONS

[illegible] PERIOD OF RECORD: JUL 79 - JUN 84

	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
[illegible]	.1	.3		.	.4			
[illegible]	.1	.4	.3	.3				
[illegible]	.4	.3	.4	.1	.1			
[illegible]			.3	.3	.1			
[illegible]	.4	.5	.	.4				
[illegible]	.3	1.3	.4	.3	.3			
[illegible]	.3	1.3	.3	.4	.1			
[illegible]	.1		.3	.3	.3			
[illegible]	.4	.	.3	.4	.3			
[illegible]	7443	7223	7443	7443	7223	7443	7223	7443

OPERATIONAL CLIMATIC DATA PERCENTAGE FREQUENCY OF OCCURRENCE OF [illegible]
[illegible], [illegible] VERSUS WIND DIRECTION [illegible]

STATION NUMBER: [illegible] STATION NAME: [illegible]
LST LIMITS: - 0

SPECIMENS	CALM	VARIABLE	350 - 019	020 - 111	112 - 191	192 - [illegible]
ESTIMATED						[illegible]
LIMITED SPECIES	[illegible]	1.1	7.[illegible]	[illegible]	[illegible]	[illegible]
SPECIES MISSING			13.7	[illegible]	[illegible]	[illegible]
[illegible] SPECIES	[illegible]	[illegible]	33.[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	13.[illegible]	[illegible]	[illegible]	[illegible]
[illegible] SPECIES MISSING	[illegible]	[illegible]	14.7	[illegible]	[illegible]	[illegible]
TOTAL [illegible]	[illegible]	[illegible]	[illegible]	731	[illegible]	[illegible]

[illegible]

ESTIMATED						
LIMITED SPECIES	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
SPECIES MISSING			[illegible]	[illegible]	[illegible]	[illegible]
[illegible] SPECIES	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	11.[illegible]	[illegible]	17.[illegible]	33.[illegible]	17.7	[illegible]
[illegible] SPECIES MISSING	[illegible]	[illegible]	[illegible]	33.[illegible]	[illegible]	[illegible]
TOTAL [illegible]	[illegible]	[illegible]	1374	1841	[illegible]	[illegible]

FREQUENCY OF OCCURRENCES OF ATMOSPHERIC PHENOMENA
[illegible] DIRECTION OF [illegible] OBSERVATIONS

[illegible] PERIOD OF RECORD: JUL 74 - JUL [illegible]
MONTH: JAN. HOURS: ALL

[illegible] - 359	060 - 119	120 - 179	180 - 239	240 - 349	NO OF OBS
			196.0		2
7.[illegible]	1[illegible]	2[illegible]	37.3	1[illegible]	1097
[illegible]	[illegible]	[illegible]	[illegible]		[illegible]
[illegible]	[illegible]	[illegible]	11.1	12.	2[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	17.7	[illegible]	[illegible]
[illegible]	731	[illegible]	2[illegible]	2110	74[illegible]

MONTH: [illegible] HOURS: ALL

[illegible]	[illegible]	[illegible]	[illegible]	11.5	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]		[illegible]
[illegible]	[illegible]	[illegible]		[illegible]	[illegible]
[illegible]	33.[illegible]	17.7	[illegible]	[illegible]	149[illegible]
[illegible]	33.[illegible]	17.[illegible]	[illegible]	13.[illegible]	1211
1[illegible]76	1541	1[illegible]75	1225	1203	6792

OPERATING LOCATION "[illegible]"
[illegible], ASHEVILLE [illegible]

PERCENTAGE FREQUENCY OF OCCURRENCES OF AIRSPEED
VERSUS WIND DIRECTION FOR HOURLY OBSERVATIONS

STATION NUMBER: [illegible] STATION NAME: [illegible]
EST TO UTC: - 5

PARAMETER	CALM	VARIABLE	350 - 050	060 - 110	120 - 190	[illegible] - [illegible]
TOTAL						
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]						
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
TOTAL [illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

TOTAL			[illegible]		[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]						
[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
TOTAL [illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

FREQUENCY OF OCCURRENCES OF ATMOSPHERIC PHENOMENA
DERIVED FROM HOURLY OBSERVATIONS

[illegible] UK — PERIOD OF RECORD: JUL 7[illegible] - JUN 8[illegible]
MONTH: MAR HOURS: ALL

- 059	060 - 119	120 - 199	200 - 259	260 - 349	NO OF OBS
				100.0	1
.1	5.[illegible]	27.[illegible]	3[illegible].7	14.0	143[illegible]
.	15.1	21.7	4.2	1[illegible].6	143
.	1[illegible]	[illegible]	[illegible]	1[illegible].5	1[illegible]
.	1[illegible].[illegible]	21.1	[illegible]	[illegible].4	[illegible]
[illegible]	4[illegible]	1142	22[illegible]	2110	7440

MONTH: APR HOURS: ALL

.		22.2	22.2	33.3	[illegible]
.	1[illegible].[illegible]	22.[illegible]	1[illegible].[illegible]	20.1	3[illegible]
.	9.4	3.1	5.3	3.1	3[illegible]
.	1[illegible].[illegible]	14.[illegible]	1[illegible].1	21.1	14
.	1[illegible].[illegible]	1[illegible].1	1[illegible].7	21.2	754
[illegible]	925	1028	1254	1303	7200

OPERATING LOCATION "AM" PERCENTAGE FREQUENCY OF OCCURRENCE OF ATMOSPHERIC
USAFETAC, ASHEVILLE, NC VERSUS WIND DIRECTION, [illegible] OBSERVATIONS

STATION NUMBER : [illegible] STATION NAME: [illegible]
LST TO UTC: - 0

PHENOMENA	[illegible]	VARIABLE	350 - 359	360 - 119	120 - 179	[illegible]
TSTMS			17.0	23.5	37.3	[illegible]
LIGHT PRECIP	[illegible]	2.6	17.2	[illegible]	24.5	[illegible]
MODERATE PRECIP						
HEAVY PRECIP						
FOG	[illegible]	1.0	31.3	[illegible]	[illegible]	[illegible]
FOG WITH VIS OF 1/2 MILES	[illegible]	1.0	21.3	[illegible]	[illegible]	
TOTAL OBS	[illegible]	249	1504	[illegible]	1245	[illegible]

[illegible]

TSTMS	[illegible]		14.7	[illegible]	14.7	
LIGHT PRECIP	[illegible]	2.4	21.[illegible]	7.	17.[illegible]	[illegible]
MODERATE PRECIP						
HEAVY PRECIP						
FOG	[illegible]	1.0	24.5	13.[illegible]	[illegible]	[illegible]
FOG WITH VIS OF 1/2 MILES	13.2	1.1	24.4	13.6	13.1	[illegible]
TOTAL OBS	413	253	1269	729	[illegible]	[illegible]

PERCENTAGE FREQUENCY OF OCCURRENCES OF ATMOSPHERIC PHENOMENA
VERSUS WIND DIRECTION FROM HOURLY OBSERVATIONS

STATION: DOVER MAYFORD RAF UK PERIOD OF RECORD: JUL 7[illegible] - JUL 8[illegible]
LAT: - 0 MONTH: MAY HOURS: ALL

	350 - 059	060 - 119	120 - 179	180 - 239	240 - 349	NO OF OBS
	17.5	23.5	35.3	17.5	5.9	17
	17.2	[illegible]	24.0	25.9	19.3	1098
				[illegible]	50.0	[illegible]
	31.3	12.[illegible]	14.6	17.[illegible]	15.7	9[illegible]
	31.3	13.3	14.3	[illegible]	17.2	[illegible]
	1504	[illegible]	1242	1739	1433	7440

MONTH: JUN HOURS: ALL

	14.7	20.6	14.7	23.5	17.6	34
	21.6	7.[illegible]	17.[illegible]	27.4	[illegible].4	3[illegible]7
	24.5	13.9	9.5	22.4	18.0	832
	24.6	13.6	10.1	22.6	17.9	845
	1269	709	527	1136	2099	7200

OPERATING LOCATION NAME: USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCES OF ATMOSPHERIC [illegible] VERSUS WIND DIRECTION FROM HOURLY OBSERVATIONS

STATION NUMBER: [illegible] STATION NAME: UPPER MAYFIELD [illegible] LST TIME: - 0 [illegible]

PHENOMENA	CALM	VARIABLE	350 - 059	060 - 119	120 - 179	180 - 239
TSTMS	[illegible]		27.[illegible]	12.[illegible]	[illegible]	[illegible]
LIQUID PRECIP	1.5	.7	15.7	6.5	15.2	34.[illegible]
FRZ [illegible] PRECIP						
FROZEN PRECIP						
FOG	[illegible]	.1	24.5	1[illegible].1	[illegible]	[illegible]
FOG WITH VIS OF 1/2 MILE	[illegible]	.1	[illegible].2	1[illegible].1	[illegible]	[illegible]
TOTAL OBS	[illegible]	193	1113	523	[illegible]	2[illegible]

[illegible]

TSTMS	[illegible].1		35.4	15.2	[illegible].1	12.1
LIQUID PRECIP	[illegible].5	.7	14.2	[illegible]	[illegible]	[illegible]
FRZ [illegible] PRECIP						
FROZEN PRECIP						
FOG	14.[illegible]	.3	27.[illegible]	14.[illegible]	11.2	13.7
FOG WITH VIS OF 1/2 MILE	13.[illegible]	.4	27.1	13.7	11.1	13.3
TOTAL OBS	451	193	1003	458	775	2168

CY OF OCCURRENCES OF ATMOSPHERIC PHENOMENA
LECTION FROM HOURLY OBSERVATIONS

PERIOD OF RECORD: JUL 73 - JUN 83
MONTH: JUL HOURS: ALL

0 - 119	120 - 199	200 - 259	260 - 349	NO OF OBS
12.[illegible]	[illegible]	[illegible].3	24.2	24
6.6	16.2	34.2	25.3	631
[illegible].1	[illegible]	[illegible]	15.3	792
12.1	13.7	[illegible]	15.3	754
623	516	1743	2596	7440

MONTH: AUG HOURS: ALL

15.2	9.1	12.1	21.2	33
5.5	22.5	29.0	25.5	739
14.2	11.2	13.7	19.5	910
13.7	11.1	13.3	20.5	330
484	776	2155	2362	7440

[illegible] LOCATION NAME
[illegible]IAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCES OF ATMOSPHERIC [illegible]
VERSUS WIND DIRECTION FROM HOURLY OBSERVATIONS

STATION NUMBER: 3553[illegible] STATION NAME: UPPER HEYFORD, [illegible]
LST TO UTC: - [illegible]

[illegible] PERIOD:
MONTH: SEP [illegible]

[illegible]	CALM	VARIABLE	350 - 059	060 - 119	120 - 179	180 - 239	240 [illegible]
[illegible]	[illegible]		33.3	15.7	16.7	23.2	
[illegible]	[illegible]	.3	5.5	[illegible]	39.4	35.5	[illegible]
[illegible]							
[illegible]							
[illegible]							
[illegible]	[illegible]	.3	11.3	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	.3	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	134	577	[illegible]	1247	[illegible]	[illegible]

MONTH: OCT [illegible]

[illegible]							
[illegible]	[illegible]	.4	[illegible]	[illegible]	[illegible]	[illegible]	
[illegible]							
[illegible]							
[illegible]							[illegible]
[illegible]	[illegible]	.1	15.2	13.5	21.6	16.1	
[illegible]	[illegible]	.2	16.4	13.2	[illegible]	15.3	
[illegible]	[illegible]	35	716	592	1462	2417	

FREQUENCY OF OCCURRENCES OF ATMOSPHERIC PHENOMENA
AND DIRECTION FROM HOURLY OBSERVATIONS

[illegible] AFB OK PERIOD OF RECORD: JUL 79 - JUN 8[illegible]
MONTH: SEP HOURS: ALL

- 35[illegible]	350 - 110	120 - 190	200 - 250	260 - 340	NO OF OBS
[illegible]	15.7	15.7	22.2	5.5	18[illegible]
[illegible]	[illegible]	35.4	35.5	11.7	676
[illegible]	11.2	[illegible]	[illegible]	13.3	774
[illegible]	11.[illegible]	[illegible]	[illegible]	10.1	[illegible]
777	357	1247	2512	1357	7200

MONTH: OCT HOURS: ALL

[illegible]	13.[illegible]	[illegible]	[illegible]	13.[illegible]	1123
			[illegible]	[illegible]	[illegible]
[illegible]	13.[illegible]	21.6	16.1	15.3	1409
[illegible]	13.2	21.[illegible]	15.3	17.0	1209
716	592	1462	2417	1543	7440

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE, NC

PERCENTAGE FREQUENCY OF OCCURRENCES OF ATMOSPHERIC
VERSUS WIND DIRECTION FROM MONTHLY OBSERVATIONS

STATION NUMBER: [illegible] STATION NAME: UPPER [illegible] [illegible] PERIOD
EST TO UTC: - 0 MONTH:

PHENOMENA	CALM	VARIABLE	350 - 050	060 - 110	120 - 190	200 -
TSTMS						
LIGHT PRECIP	1.[illegible]	1.1	12.2	7.2	25.4	[illegible]
[illegible] PRECIP						
[illegible] PRECIP			[illegible]	37.[illegible]		
FOG	1.[illegible]	.[illegible]	15.[illegible]	13.3	[illegible]	1
[illegible] SEVERE	1.[illegible]	.4	1[illegible]	1[illegible]	[illegible].1	1
TOTAL OBS	[illegible]	43	748	5[illegible]	121[illegible]	[illegible]

MONTH:

TSTMS						
LIGHT PRECIP	1.7	.2	[illegible].7	[illegible]	[illegible]	[illegible]
[illegible] PRECIP					100.[illegible]	
[illegible] PRECIP	[illegible]		23.[illegible]	[illegible].1	1[illegible]	1
FOG	13.[illegible]	.1	7.4	21.2	22.2	21
[illegible] SEVERE	[illegible].1	.2	[illegible].2	2[illegible].7	2[illegible].5	23
TOTAL OBS	91[illegible]	36	509	7[illegible]6	153[illegible]	27

TABLE FREQUENCY OF OCCURRENCES OF ATMOSPHERIC PHENOMENA
BY WIND DIRECTION FROM HOURLY OBSERVATIONS

[illegible] : UPPER HEYFORD RAF UK PERIOD OF RECORD: JUL 73 - JUN 8[illegible]
[illegible] : - 0 MONTH: NOV HOURS: ALL

350 - 050	060 - 110	120 - 190	200 - 250	260 - 340	NO OF OBS
12.2	7.2	25.4	37.3	18.4	1125
[illegible]	37.5			12.5	16
15.[illegible]	13.3	[illegible]	13.1	15.3	[illegible]
15.[illegible]	14.[illegible]	[illegible]	14.[illegible]	15.[illegible]	11[illegible]2
743	535	1219	2532	1745	7[illegible]

MONTH: DEC HOURS: ALL

[illegible].7	[illegible].3	3[illegible].[illegible]	34.1	1[illegible].[illegible]	1[illegible]91
		100.0			1
28.5	3[illegible].1	1[illegible]	1.5	14.3	133
7.[illegible]	21.2	22.2	21.3	13.9	1503
8.2	20.7	22.5	23.5	15.7	1152
509	715	1509	2758	1593	7440

OPERATING LOCATION: NAW
USAFETAC, ASHEVILLE, NC

PERCENTAGE FREQUENCY OF OCCURRENCES OF ATMOSPHERIC PA
VERSUS WIND DIRECTION FOR MONTHLY OBSERVATIONS

STATION NUMBER: [illegible] STATION NAME: UPPER [illegible] LST ID NTC: - 0 [illegible] MONTHS: AL

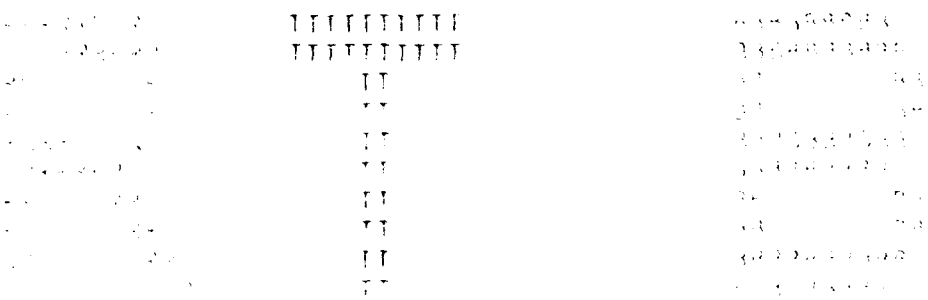
PARAMETER	CALM	VARIABLE	350 - 359	060 - 110	120 - 140	210 - [illegible]
TSTMS	.1		20.8	15.9	15.2	14.1
LIGHTS PRECIP	[illegible]	1.4	13.1	[illegible]	27.[illegible]	31.[illegible]
FOG-MIST PRECIP			23.5	[illegible].1	[illegible].7	[illegible].7
FREEZ PRECIP	[illegible]	1.2	42.8	23.4	10.7	[illegible]
[illegible]	1[illegible].1	.4	17.[illegible]	[illegible].7	[illegible]	1[illegible].3
RESTRICTING OF 1/2 MILE	11.	.4	1[illegible].6	15.[illegible]	17.[illegible]	1[illegible].1
TOTAL OBS	[illegible]	[illegible]	13213	[illegible]	[illegible]	[illegible]

[illegible] FREQUENCY OF OCCURRENCES OF ATMOSPHERIC PHENOMENA
[illegible] WIND DIRECTION FROM [illegible] OBSERVATIONS

[illegible] : UPPER MEYERSON AFB [illegible]
[illegible] - [illegible]

PERIOD OF RECORD: JUL 7[illegible] - JU[illegible]
MONTHS: ALL

350 - 359	000 - 110	120 - 1[illegible]	230 - 259	260 - 340	[illegible]
26.[illegible]	1[illegible].[illegible]	15.[illegible]	1[illegible].1	1[illegible].[illegible]	1[illegible]
13.1	[illegible].[illegible]	27.[illegible]	31.[illegible]	15.2	11[illegible]
23.[illegible]	[illegible].1	[illegible].7	[illegible].7		[illegible]1
42.[illegible]	23.4	1[illegible].7	[illegible].[illegible]	13.3	[illegible]
17.[illegible]	[illegible].7	[illegible]	[illegible]	[illegible]	[illegible]
1[illegible].5	15.[illegible]	17.[illegible]	[illegible].1	1[illegible].[illegible]	11[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]



PRECIPITATION, SNOWFALL, SNOW DEPTH SUMMARIES

ALL TABLES IN PART B ARE CREATED FROM SUMMARY OF DAY (SOD) DATA.

PERCENT OCCURRENCE FREQUENCY.
THESE TABLES GIVE THE PERCENT OCCURRENCE FREQUENCY OF PRECIPITATION, SNOWFALL AND SNOW DEPTH. DATA IS SUMMARIZED FOR ALL YEARS COMBINED. SUMMARIES INCLUDE THE PERCENT OF DAYS WITH MEASURABLE AMOUNTS, PERCENT OF DAYS WITH NO AMOUNTS, PERCENT OF DAYS WITH TRACES, AND PERCENT OF DAYS WITH SPECIFIED AMOUNTS. SUMMARIES ALSO PROVIDE AN OBSERVATION COUNT. A VALUE OF ".0" INDICATES ONE OR MORE OCCURRENCES THAT, IN AGGREGATE AMOUNT TO LESS THAN .05 PERCENT.

MONTHLY TOTALS.
THESE TABLES GIVE THE TOTAL MONTHLY PRECIPITATION OR SNOWFALL RESPECTIVELY. THEY ARE SUMMARIZED BY MONTH FOR ALL YEARS. THE TABLES ALSO GIVE THE GREATEST AMOUNTS, LEAST AMOUNTS, MEAN, MEDIAN, STANDARD DEVIATIONS, AND TOTAL AVAILABLE OBSERVATIONS. AN ASTERISK (*) INDICATES A VALUE FOR A MONTH FOR WHICH LESS THAN 90% OF THE DATA ARE AVAILABLE. AN ASTERISK MUST ACCOMPANY A YEAR(S) IF MORE MISSING AND/OR INCOMPLETE MONTHS. INCOMPLETE MONTHS/YEARS ARE NOT USED IN STATISTICAL COMPUTATIONS. NOTE: LEAST AMOUNTS ARE DERIVED FROM COMPLETE MONTHS/YEARS ONLY. ".00" MEANS NO PRECIPITATION FOR THE MONTH, ".0" MEANS NO SNOWFALL FOR THE MONTH.

DAILY EXTREMES.
THESE TABLES GIVE THE MAXIMUM DAILY REPORTED AMOUNTS (BY INDIVIDUAL YEAR - MONTH) FOR PRECIPITATION, SNOWFALL, AND SNOW DEPTH, RESPECTIVELY. THEY ALSO THE GREATEST AMOUNTS FOR EACH MONTH AND THE TOTAL NUMBER OF AVAILABLE OBSERVATIONS FOR EACH MONTH AND YEAR. AN ASTERISK (*) INDICATES A MONTH FOR LESS THAN 90% OF DATA ARE AVAILABLE. AN ASTERISK ALSO DENOTES A YEAR(S) IF MORE MISSING AND/OR INCOMPLETE MONTHS. ".00" MEANS NO PRECIPITATION - ".0" MEANS NO SNOWFALL FOR THE MONTH, AND "0" MEANS NO SNOW DEPTH FOR THE

SNOWFALL/SNOW DEPTH--FIRST AND LAST DAYS OF OCCURRENCE BY SNOW YEAR.
THIS SUMMARY GIVES THE FIRST AND LAST OCCURRENCES OF SNOWFALL AND SNOW DEPTH FOR THE SNOW-YEAR DURING THE PERIOD OF RECORD. FOR THIS SUMMARY, THE SNOW-YEAR IS CONSIDERED TO BE FROM 1 AUGUST TO 31 JULY. TABLES SUMMARIZE THE DATA BY SNOW-YEAR, BY MONTH, AND BY DAY. THE FIRST (OR LAST) ENTRY IN COLUMN 69 OF AWS FORMS 10/10A (OR EQUIVALENT) AS EITHER A TRACE OR A NON-ZERO AMOUNT DEFINES THE FIRST (OR LAST) SNOWFALL FOR THE SNOW YEAR. THE FIRST ENTRY IN COLUMN 69 OTHER THAN ".0" OR "TRACE" DEFINES THE FIRST (OR LAST) MEASURABLE SNOWFALL. FINALLY, THE 1200 GMT ENTRY COLUMN 70 OF AWS FORM 10 (OR EQUIVALENT) DEFINES THE FIRST (OR LAST) OCCURRENCE OF SNOW DEPTH. THE SNOW DEPTH IS CONSIDERED THE LAST SNOW FALL. THIS SUMMARY IS NOT AN INDICATION NO SNOWFALL OCCURS DURING THE GIVEN DAY.

PART A

IPITATION, SNOWFALL, SNOW DEPTH SUMMARIES

T S ARE CREATED FROM SUMMARY OF DAY (SOD) DATA.

FREQUENCY.
THE PERCENT OCCURRENCE FREQUENCY OF PRECIPITATION,
SNOW DEPTH. DATA IS SUMMARIZED FOR ALL YEARS
ARIES INCLUDE THE PERCENT OF DAYS WITH MEASURABLE AMOUNTS,
S WITH NO AMOUNTS, PERCENT OF DAYS WITH TRACES, AND PERCENT
SPECIFIED AMOUNTS. SUMMARIES ALSO PROVIDE AN OBSERVATION
E ".0" INDICATES ONE OR MORE OCCURRENCES THAT, IN AGGREGATE,
THAN .05 PERCENT.

THE TOTAL MONTHLY PRECIPITATION AND SNOWFALL RESPECTIVELY.
(200) BY MONTH FOR ALL YEARS. THE TABLES ALSO GIVE THE GREATEST
AMOUNTS, MEAN, MEDIAN, STANDARD DEVIATIONS, AND TOTAL AVAILABLE
AN ASTERISK (*) INDICATES A VALUE FOR A MONTH FOR WHICH LESS
DATA ARE AVAILABLE. AN ASTERISK ALSO DENOTES A YEAR(S) WITH ONE
AND/OR INCOMPLETE MONTHS. INCOMPLETE MONTHS/YEARS ARE NOT INCLUDED
COMPUTATIONS. NOTE: LEAST AMOUNTS ARE DERIVED FROM COMPLETE
DATA. ".00" MEANS NO PRECIPITATION FOR THE MONTH, ".0" MEANS NO
MONTH.

THE MAXIMUM DAILY PRECIPITATION AMOUNTS (BY INDIVIDUAL YEAR-
PITATION, SNOWFALL, AND SNOW DEPTH, RESPECTIVELY. THEY SHOW
AMOUNTS FOR EACH MONTH AND THE TOTAL NUMBER OF AVAILABLE DAS-
FOR MONTH AND YEAR. AN ASTERISK (*) INDICATES A MONTH FOR WHICH
DATA ARE AVAILABLE. AN ASTERISK ALSO DENOTES A YEAR(S) WITH ONE
AND/OR INCOMPLETE MONTHS. ".00" MEANS NO PRECIPITATION FOR THE MONTH,
SNOWFALL FOR THE MONTH, AND ".0" MEANS NO SNOW DEPTH FOR THE MONTH.

---FIRST AND LAST DAYS OF OCCURRENCE BY SNOW YEAR.
S THE FIRST AND LAST OCCURRENCES OF SNOWFALL AND SNOW
-YEAR DURING THE PERIOD OF RECORD. FOR THIS SUMMARY, THE
BEGINS ON FROM 1 AUGUST TO 31 JULY. TABLES SUMMARIZE
-YEAR, BY MONTH, AND BY DAY. THE FIRST (OR LAST) ENTRY IN
FORMS 10/10A (OR EQUIVALENT) AS EITHER A TRACE OR A MEASURABLE
THE FIRST (OR LAST) SNOWFALL FOR THE THE YEAR. THE FIRST (OR LAST)
OTHER THAN ".0" OR "TRACE" DEFINES THE FIRST (OR LAST)
FALL. FINALLY, THE 1200 GMT ENTRY COLUMN 79 OF AWS FORM 10/10A
DEFINES THE FIRST (OR LAST) OCCURRENCE OF SNOW DEPTH. THE LAST
DESIGNATED THE LAST SNOW MELT. THIS SUMMARY IS NOT PROVIDED
OCCURS DURING THE GIVEN DAY.

NOTE 1. IF THE MINIMUM AMOUNT RECORDED IN THE MONTHLY TOTALS OR DAILY EXTREMES IS A TRACE, THE WORD "TRACE" WILL APPEAR IN THE APPROPRIATE COLUMN.

NOTE 2. TABLES INCLUDE STATISTICAL DATA ONLY WHEN FIVE (5) OR MORE SETS OF COMPLETE MONTHS ARE AVAILABLE.

NOTE 3. THE OBSERVATION COUNTS OR THE STATION HISTORY MIGHT PROVIDE CLUES AS TO WHY CERTAIN DATA ARE MISSING. FOR EXAMPLE, ONLY A FEW MISSING OBSERVATIONS MIGHT IMPLY MISSING DATA BECAUSE OF EQUIPMENT MALFUNCTION, BUT MORE THAN SEVERAL MISSING OBSERVATIONS USUALLY MEANS THE STATION IS (OR HAS BEEN) CLOSED.

NOTE 4. IN DAILY AND MONTHLY AMOUNTS SUMMARIES, THE LAST ENTRY IN THE PAGE GIVES THE GREATEST AMOUNT FOR THE PERIOD OF RECORD.

NOTE 5. BEFORE JANUARY 1965, SNOWFALL OCCURRENCES IN THE SUMMARY DATA ONLY INCLUDED HAIL.

NOTE 6. SNOW DEPTH REPORTING TIMES FOR USAF, NAVY AND CIVIL STATIONS ARE:

AIR FORCE		NAVY AND NATIONAL WEATHER SERVICE	
TO [illegible] 1945:	[illegible] GST	TO [illegible] JUL 1942:	[illegible] GMT
JUL 1945 TO MAY 1957:	1230 GST	JUL 1942 TO MAY 1957:	1230 GMT
JUN 1957 TO PRESENT:	1200 GMT	JUN 1957 TO PRESENT:	1200 GMT

NOTE 7. 24-HOUR PRECIPITATION (INCLUDING SNOWFALL AND SNOW DEPTH) VALUES FROM PART TIME PERIODS MAY NOT REFLECT TRUE 24-HOUR AMOUNTS. RECORDS FOLLOWING OPERATORS AND/OR HOLIDAYS FREQUENTLY CONTAIN AMOUNTS MEASURED OVER MORE THAN 24 HOURS. IN ADDITION, 24-HOUR AMOUNTS MAY NOT REPRESENT CLIMATOLOGICAL 24-HOUR MAXIMUM OR MINIMUM AMOUNT. DATA [illegible] MAY NOT ACCURATELY REFLECT HEAVY PRECIPITATION EVENTS.

CONVERSIONS:

- 1 INCH = 25.3999 MILLIMETERS

- 1 MILLIMETER = .03937 INCHES

MINIMUM AMOUNT RECORDED IN THE MONTHLY TOTALS OR DAILY
A TRACE, THE WORD "TRACE" WILL APPEAR IN THE APPROPRIATE

INCLUDE STATISTICAL DATA ONLY WHEN FIVE (5) OR MORE
TE MONTHS ARE AVAILABLE.

VATION COUNTS OR THE STATION HISTORY MIGHT PROVIDE CLUES
TAIN DATA ARE MISSING. FOR EXAMPLE, ONLY A FEW MISSING OBS-
NT IMPLY MISSING DATA BECAUSE OF EQUIPMENT MALFUNCTION, BUT
AL MISSING OBSERVATIONS USUALLY MEANS THE STATION IS (OR HAS
.

Y AND MONTHLY AMOUNTS SUMMARIES, THE LAST ENTRY ON THE PAGE
EAST AMOUNT FOR THE PERIOD OF RECORD.

JANUARY 1966, SNOWFALL OCCURRENCES IN THE SUMMARY OF DAY
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T REPORTING TIMES FOR USAF, NAVY AND CIVIL STATIONS ARE AS FOLLOWS:

		NAVY AND NATIONAL WEATHER SERVICE	
	0900 LST	THROUGH JUN 1952:	0330 GMT
1957:	1230 LST	JUN 1952 TO MAY 1957:	1230 GMT
NT:	1200 GMT	JUN 1957 TO PRESENT:	1200 GMT

PRECIPITATION (INCLUDING SNOWFALL AND SNOW DEPTH) VALUES DERIVED
PERIODS MAY NOT REFLECT TRUE 24-HOUR AMOUNTS. RECORDED AMOUNTS
ERS AND/OR HOLIDAYS FREQUENTLY REPRESENT AMOUNTS MEASURED FOR PERIODS
HOURS. IN ADDITION, 24-HOUR AMOUNTS MAY NOT REPRESENT THE STANDARD
24-HOUR MAIDNIGHT TO MIDNIGHT AMOUNT. DATA FROM PART TIME PERIODS
IMPLY NOT BE OF MEASURABLE PRECIPITATION EVENTS.

.XXXX MILLIMETERS

= .03937 INCHES

OPERATING LOCATION [illegible]
USAFETAC, ASHEVILLE, NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF PRECI
FROM SUMMARY OF DAY DATA

STATION NUMBER: [illegible] STATION NAME: UPPER [illegible] AFB [illegible]
LST TO UTC: +00

AMOUNTS (INCHES)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AU
NONE	[illegible].4	34.6	34.1	38.7	3[illegible].3	42.1	4[illegible].2	4[illegible]
TRACE	[illegible].2	24.3	19.4	20.7	1[illegible].1	[illegible].4	31.5	1[illegible]
.01	5.4	5.4	3.9	5.4	4.[illegible]	4.5	5.0	[illegible]
.02-.05	11.1	12.1	12.4	11.8	10.5	8.3	8.8	1[illegible]
.06-.10	9.3	6.9	5.5	6.4	7.1	6.2	6.5	7.[illegible]
.11-.25	14.4	10.1	11.0	10.0	11.[illegible]	[illegible]	7.4	[illegible]
.26-.50	7.5	5.1	7.9	5.9	7.0	6.9	4.9	[illegible]
.51-1.00	1.[illegible]	1.0	2.3	.7	2.5	3.[illegible]	1.7	[illegible]
1.01-2.00	.1		.2		.[illegible]	.5	.4	[illegible]
2.01-5.00						.1		
5.01-10.00								
10.01-[illegible]								
[illegible]								
DAYS WITH PRECIP	.4	41.0	46.5	43.5	43.[illegible]	37.4	33.[illegible]	41.
TOTAL NO. OF OBSERVATIONS	1[illegible]	990	1086	1043	9[illegible]2	4[illegible]	3[illegible]	47[illegible]

FREQUENCY OF OCCURRENCE OF PRECIPITATION IN INCHES
FROM SUMMARY OF DAY DATA

[illegible] AFB UK

PERIOD OF RECORD: 5111-5704,5809-6504,6509-8806
MONTH: ALL HOURS: ALL

	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
[illegible]	38.3	42.1	45.2	40.2	42.7	38.0	31.2	31.0	36.9
[illegible]	19.1	20.4	21.5	19.[illegible]	19.0	18.4	19.7	19.1	20.0
[illegible]	4.[illegible]	4.6	5.0	5.3	3.7	5.2	5.2	6.0	5.1
[illegible]	10.5	8.3	8.3	10.2	9.2	11.7	13.3	13.2	11.1
[illegible]	7.1	6.2	6.5	7.1	6.1	7.1	7.5	8.7	7.3
[illegible]	11.[illegible]	8.[illegible]	7.4	9.[illegible]	10.3	9.[illegible]	12.3	11.7	10.5
[illegible]	7.0	5.9	4.2	5.7	5.1	5.0	7.1	6.5	6.4
[illegible]	2.5	3.0	1.7	3.1	2.6	3.6	3.1	3.0	2.4
[illegible]	.4	.5	.5	.5	.4	.3	.3	.4	.3
[illegible]		.1							.0
[illegible]	43.5	37.4	33.4	41.0	38.3	43.6	43.0	49.9	43.1
[illegible]	942	959	959	975	1002	1054	1050	1083	12283

OPERATING LOCATION: [illegible]
USAFETAC, ASHEVILLE NC

TOTAL MONTHLY PRECIPITATION AMOUNTS (
FROM SUMMARY OF DAY DATA

STATION NUMBER: [illegible] STATION NAME: UPPER [illegible]
LST TO UTC: +00

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG
51								
52	[illegible]	.85	3.36	1.71	4.15	1.47	[illegible]	[illegible]
53	.52	1.12	.75	1.72	1.49	1.15	1.35	3.17
54	1.47	1.32	2.55	.27	2.65	2.50	1.23	2.75
55	[illegible]	1.44	.75	.45	3.65	[illegible]	.17	.32
56	[illegible]	.34	.36	.33	.22	[illegible]	[illegible]	[illegible]
57	1.42	[illegible]	[illegible]	.27				
58								
59	[illegible]	.93	[illegible]	[illegible]	.71	[illegible]	[illegible]	[illegible]
60	[illegible]	2.21	.75	.73	1.53	[illegible]	[illegible]	[illegible]
61	[illegible]	[illegible]	.34	[illegible]	.77	[illegible]	[illegible]	[illegible]
62	[illegible]	.83	.91	1.75	[illegible]	.25	[illegible]	[illegible]
63	.71	.44	[illegible]	1.34	1.93	1.74	[illegible]	[illegible]
64	[illegible]	.97	3.74	1.55	1.64	2.94	[illegible]	[illegible]
65	[illegible]	.21	2.32	1.41				
66								
67	[illegible]	[illegible]	[illegible]	1.11	[illegible]	[illegible]	[illegible]	[illegible]
68	[illegible]	1.12	[illegible]	[illegible]	3.37	[illegible]	[illegible]	[illegible]
69	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	.93	[illegible]	2.17
70	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
71	[illegible]	.35	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
72	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
73	[illegible]	.53	.40	2.57	2.53	[illegible]	[illegible]	[illegible]
74	[illegible]	4.23	[illegible]	.22	2.75	[illegible]	[illegible]	[illegible]
75	[illegible]	1.51	[illegible]	2.13	1.73	[illegible]	2.11	[illegible]
76	[illegible]	1.11	1.24	.50				[illegible]
77	[illegible]	[illegible]	3.15	1.13	1.15	[illegible]	[illegible]	[illegible]
78	[illegible]	2.15	2.37	1.35	1.39	3.41	[illegible]	[illegible]
79	2.14	1.76	4.43	1.37	4.12	1.71	.31	3.35
80	1.59	2.03	2.00	.55	1.15	2.93	2.47	2.43
81	1.43	1.14	5.15	1.51	4.07	1.07	.72	[illegible]
82	2.53	1.10	3.42	.79	.34	3.29	[illegible]	.94
83	1.43	1.13	1.53	3.14	4.40	1.05	.55	1.02
84	[illegible]	1.62	2.27	.26	2.54	1.53	.33	1.77
85	1.35	.49	1.75	1.22	3.52	[illegible]	[illegible]	[illegible]

TOTAL MONTHLY PRECIPITATION AMOUNTS IN INCHES
FROM SUMMARY OF DAY DATA

[illegible] REYNOLD [illegible]

PERIOD OF RECORD: 5111-5704,5809-5504,6609-3806
MONTH: ALL HOURS: ALL

MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
						5.47	1.59	7.03*
4.15	1.87	.23	2.15	.71	3.34	2.73	1.24	24.45
1.43	1.15	1.95	3.17	1.33	2.20	1.49	.55	17.49
2.55	2.50	1.23	2.75	1.86	1.98	4.30	1.41	25.29
3.65	2.10	.17	.32	1.05	2.03	1.21	1.51	17.48
.22	2.10	2.15	2.78	2.02	1.42	.70	2.99	13.54
								5.13*
				2.22*	1.95	2.63	2.76	9.56*
.71	1.23	1.59	.46	.10	1.99	1.89	4.37	22.95
1.53	3.35	4.27	2.04	4.57	5.15	4.46	3.91	36.17
.77	1.23	1.[illegible]	3.39	1.53	2.37	1.11	3.30	24.52
1.[illegible]	.23	1.57	3.33	2.97	1.62	1.53	2.32	20.63
1.92	1.78	1.05	2.[illegible]	2.15	1.23	4.24	.55	22.49
1.64	2.94	1.44	.[illegible]	.37	.55	.65	1.44	16.38
								6.02*
				1.75	4.70	1.23	3.30	11.02*
4.52	1.31	1.13	2.33	2.[illegible]	4.51	1.52	1.66	25.05
3.37	2.92	4.55	2.5[illegible]	3.5[illegible]	2.43	1.96	2.26	29.95
4.30	.93	2.30	2.17	.94	.24	2.62	2.44	23.86
.[illegible]	1.09	1.21	1.58	1.77	.61	6.53	.93	24.45
1.17	4.24	1.37	3.[illegible]	.72	2.70	2.36	1.37	26.20
.1[illegible]	2.43	1.23	1.49	1.57	.97	2.21	3.25	24.77
2.53	4.81	2.79	1.72	2.13	1.85	1.03	1.34	22.40
2.75	2.49	2.95	5.20	5.77	2.90	5.57	1.71	40.19
1.73	.23	2.11	.90	3.39	.55	1.34	1.38	24.10
			1.[illegible]5*	3.51	3.37	2.23	3.47	18.73*
1.15	5.37	.39	4.77	.27	1.22	1.57	2.00	23.31
1.[illegible]	3.41	2.41	2.47	1.30	.27	1.15	4.90	27.83
4.12	1.71	.31	3.35	.54	2.15	1.94	6.00	30.64
1.15	2.93	2.47	2.40	2.47	3.37	1.84	1.52	25.94
4.07	1.07	.72	2.26	4.27	2.30	1.14	2.33	27.37
.24	3.29	2.92	.98	2.64	3.06	3.10	2.34	27.36
4.40	1.06	.85	1.02	3.21	1.85	1.27	2.11	23.23
2.54	1.58	.33	1.77	3.63	2.14	4.34	1.85	25.43
3.52	4.75	2.22	2.50	.67	2.39	2.51	4.37	28.95

OPERATIONS LOCATION [illegible]
USAFFIAC, ASHEVILLE [illegible]

TOTAL MONTHLY PRECIPITATION AMOUNTS
FROM [illegible] DAY DATA

STATION NUMBER: [illegible] STATION NAME: [illegible]
LST TO UTC: +0[illegible]

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG
[illegible]	3.41	.35	2.67	2.57	3.03	1.3[illegible]	1.71	5.12
87	1.[illegible]	1.19	2.23	2.75	2.12	4.93	2.21	1.2[illegible]
[illegible]	4.71	2.12	3.59	1.24	2.14	2.59		

LEAST	.[illegible]	.03	.[illegible]	.12	.22	.3[illegible]	.7	.[illegible]
GREATEST	4.71	5.1[illegible]	5.1[illegible]	3.57	4.52	4.23	4.[illegible]	5.2
MEAN	2.[illegible]	1.54	2.2[illegible]	1.53	2.35	2.28	1.75	2.32
MEDIAN	3.[illegible]	1.1[illegible]	2.27	1.5[illegible]	2.13	2.13	1.71	2.[illegible]
SD	1.[illegible]	1.363	1.294	.949	1.260	1.294	1.371	1.232
TOTAL OBS	1[illegible]	990	1085	1049	992	950	4[illegible]	47[illegible]

THE GREATEST VALUE IS 6.97 OCCURRED ON 10/ 7

NOTE: WHE VALUE IS BASED ON A MONTH WITH LESS THAN 90 OF THE

TAL MONTHLY PRECIPITATION AMOUNTS IN INCHES
FROM SUMMARY OF DAY DATA

[illegible] YEARS FAR UK

PERIOD OF RECORD: 5111-5704,5809-6504,6609-8805
MONTH: ALL HOURS: ALL

MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
5.03	1.39	1.71	5.12	.67	2.34	3.79	3.12	30.77
[illegible].12	4.93	2.21	1.26	1.32	5.37	3.36	1.77	32.00
2.14	2.09							15.89*
.22	.25	[illegible]	.32	.13	.24	.68	.55	15.38
4.62	4.93	4.95	5.20	5.77	6.37	5.54	5.08	40.19
2.35	2.29	1.75	2.32	2.[illegible]5	2.32	2.51	2.44	25.65
[illegible].13	2.13	1.71	2.26	1.[illegible]2	2.12	1.96	2.26	25.05
1.260	1.294	1.071	1.237	1.355	1.477	1.507	1.315	5.167
972	952	959	975	1002	1054	1050	1033	12283

[illegible] 10/87

MONTH WITH LESS THAN 90% OF THE DATA AVAILABLE FOR THE MONTH

OPERATING LOCATION [illegible]
USAFETAC, ASHEVILLE NC

EXTREME DAILY PRECIPITATION AMOUNTS
[illegible] SUMMARY [illegible] DAY [illegible]

STATION NUMBER: [illegible] STATION NAME: [illegible]
LST TO UTC: +05

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG
51								
52	[illegible]	[illegible]	1.01	[illegible]	2.13	[illegible]	.11	.47
53	.27	.73	[illegible]	.29	.41	.37	[illegible]	[illegible]
54	1.[illegible]	.37	[illegible]	.22	.52	.73	[illegible]	.47
55	[illegible]	[illegible]	[illegible]	.33	1.13	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	.11	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
57	[illegible]	[illegible]	[illegible]	.29				
[illegible]								
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	.41
[illegible]	[illegible]	.51	[illegible]	.23	[illegible]	[illegible]	1.[illegible]	[illegible]
61	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1.[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	.17	[illegible]	.31	[illegible]	[illegible]	[illegible]	1.11
63	[illegible]	.34	[illegible]	.24	[illegible]	[illegible]	[illegible]	[illegible]
64	[illegible]	[illegible]	[illegible]	[illegible]	.31	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	.41	[illegible]				
[illegible]								
67	[illegible]	[illegible]	[illegible]	[illegible]	1.12	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1.[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	.47	[illegible]	[illegible]	[illegible]	1.[illegible]	[illegible]
7[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
71	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1.[illegible]	[illegible]	[illegible]
72	[illegible]	[illegible]	[illegible]	.34	[illegible]	[illegible]	[illegible]	[illegible]
73	[illegible]	.31	[illegible]	[illegible]	[illegible]	2.11	[illegible]	[illegible]
74	[illegible]	[illegible]	[illegible]	[illegible]	1.[illegible]	[illegible]	1.[illegible]	1.[illegible]
75	[illegible]	[illegible]	1.[illegible]	.34	[illegible]	[illegible]	[illegible]	[illegible]
76	[illegible]	.51	[illegible]	[illegible]				[illegible]
77	[illegible]	[illegible]	[illegible]	.39	[illegible]	[illegible]	[illegible]	1.74
7[illegible]	.41	[illegible]	.43	.35	.65	2.75	[illegible]	1.27
79	[illegible]	[illegible]	[illegible]	.36	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	.37	.35	.43	[illegible]	.74	[illegible]
[illegible]	[illegible]	.42	[illegible]	[illegible]	[illegible]	.41	[illegible]	1.[illegible]
82	[illegible]	.25	[illegible]	[illegible]	.23	.77	1.[illegible]	.37
83	[illegible]	.23	[illegible]	.50	.90	[illegible]	.51	[illegible]
84	[illegible]	.41	[illegible]	[illegible]	.37	[illegible]	[illegible]	[illegible]
[illegible]	.57	.39	.31	.26	.81	.72	[illegible]	.41

EXTREME DAILY PRECIPITATION AMOUNTS IN INCHES
FROM SUMMARY OF DAY DATA

[illegible] HEYFORD RAF UK

PERIOD OF RECORD: 5111-5704,5809-5504,5609-8806
MONTH: ALL HOURS: ALL

YR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
							1.39	.33	1.39*
[illegible]	2.13	.93	.11	.47	.32	.25	.53	.52	2.13
[illegible]	.41	.39	.44	.23	.37	.33	.62	.15	.93
[illegible]	.62	.73	.06	.47	.40	.33	.73	.51	1.06
[illegible]	1.13	.21	.15	.12	.41	.99	.47	.42	1.13
[illegible]	.09	.43	.43	.51	.43	.52	.24	.54	.55
									.42*
					.53*	.09	1.03	.35	1.03*
[illegible]	.40	.41	.47	.41	.[illegible]	.52	.39	1.05	1.05
[illegible]	.53	2.23	1.34	.51	1.13	.39	.35	.50	2.28
[illegible]	.27	1.03	.77	.57	.[illegible]	.62	.32	.56	1.03
[illegible]	.53	.39	.[illegible]	1.11	.68	.38	.31	.51	1.11
[illegible]	.38	.55	.32	.35	.76	.52	.93	.20	.99
[illegible]	.31	.72	.37	.12	.34	.13	.17	.28	.94
									.41*
					1.11	.74	.40	.74	1.11*
[illegible]	1.12	.[illegible]	.25	.49	.32	.72	.58	.35	1.12
[illegible]	.72	.55	2.31	.79	.00	.55	.53	.46	2.31
[illegible]	.64	.[illegible]	1.25	.50	.51	.10	.55	.35	1.28
[illegible]	.34	.33	.53	.53	.35	.23	.74	.27	.83
[illegible]	.25	1.03	.57	.53	.23	.74	.97	.51	1.03
[illegible]	.27	.21	.28	.75	.74	.53	.55	1.19	1.19
[illegible]	.5[illegible]	2.11	.75	.51	.53	.41	.47	.37	2.11
[illegible]	1.02	.55	1.09	1.20	.32	.52	.90	.54	1.20
[illegible]	.60	.21	.42	.25	.54	.19	.35	.51	1.01
				.[illegible]*	.76	.52	.52	.34	.59*
[illegible]	.52	.31	.13	1.74	.07	.35	.43	.77	1.74
[illegible]	.53	2.75	.54	1.27	.32	.09	.57	.33	2.75
[illegible]	.55	.91	.15	.98	.82	.55	.37	2.02	2.02
[illegible]	.43	.54	.74	.63	.23	1.18	.44	.45	1.18
[illegible]	.37	.41	.31	1.93	1.34	.52	.35	.54	1.93
[illegible]	.23	.77	1.94	.27	.65	.50	.56	.51	1.94
[illegible]	.09	.39	.31	.59	.26	.76	.45	.44	.90
[illegible]	.37	.33	.19	.63	1.35	.73	.93	.30	1.85
[illegible]	.31	.72	.50	.41	.23	1.30	.93	1.37	1.37

OPERATING LOCATION [illegible] EXTREME DAILY [illegible]
[illegible]

STATION [illegible]: [illegible] STATION NAME: [illegible]
LST TO UTC: +05

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	[illegible]
[illegible]	[illegible]	[illegible]	.53	[illegible]	[illegible]	[illegible]	[illegible]	1.[illegible]
[illegible]	[illegible]	.33	.61	.72	.46	.7[illegible]	.7[illegible]	.5[illegible]
[illegible]	[illegible]	.52	[illegible]	.27	.3[illegible]	1.[illegible]		
[illegible]	1.	.35	1.[illegible]	.34	2.13	2.[illegible]	2.[illegible]	1.[illegible]
TOTAL [illegible]	1[illegible]	[illegible]	1[illegible]	1[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

THE LARGEST VALUE IS 2.75 RECORDED ON [illegible]

NOTE: [illegible] VALUE IS BASED ON A MONTH WITH LESS THAN [illegible]

EXTREME DAILY PRECIPITATION AMOUNTS IN INCHES
[illegible] DAILY [illegible] DATA

[illegible] YEARS [illegible]

PERIOD OF RECORD: 5111-5704,5807-6504,6609-[illegible]
MONTH: ALL HOURS: ALL

[illegible]	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
[illegible]	[illegible]	[illegible]	[illegible]	1.[illegible]	.57	[illegible]	.61	[illegible]	1.5[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	.41	1.2[illegible]	1.15	.33	1.2[illegible]
[illegible]	.3[illegible]	1.[illegible]							1.0[illegible]*
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	2.75
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	12[illegible]

[illegible] [illegible] 1/7

[illegible] [illegible] DATA AVAILABLE [illegible]

OPERATING LOCATION [illegible]
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SNOWFA
FROM SUMMARY OF DAY DATA

STATION NUMBER: [illegible]   STATION NAME: UPPER HEYFORD RAF UK
LST TO UTC: +00

AMOUNTS (INCHES)	JAN	FEB	MAR	APR	MAY	JUN	JUL	
NONE	[illegible].1	7[illegible]	[illegible]3.3	93.3	9[illegible]	[illegible]	1[illegible]	1[illegible]
TRACE	1[illegible]	1[illegible]	12.[illegible]	5.7	1.0	.1		
0.1-0.4	[illegible]	[illegible]	.9	.5				
0.5-1.4	.[illegible]	2.1	1.3	.3				
1.5-2.4	.[illegible]	.7	.7	.1	.1			
2.5-3.4	.	.[illegible]	.4					
3.5-4.4	.	.[illegible]	.2	.1				
4.5-6.4		.[illegible]	.[illegible]					
6.5-10.4	.[illegible]		.1					
10.5-15.4								
15.5-25.4								
[illegible]								
[illegible]								
DAYS WITH [illegible]	.[illegible]	2.7	[illegible]	1.[illegible]	.1			
TOTAL NO. OF OBSERVATIONS	1[illegible]	[illegible]	1052	1[illegible]	10[illegible]	[illegible]	[illegible]	[illegible]

FREQUENCY OF OCCURRENCE OF SNOWFALL IN INCHES
FROM SUMMARY OF DAY DATA

HEYFORD RAF UK

PERIOD OF RECORD: 5111-5710,5810-6504,6509-8606
MONTH: ALL HOURS: ALL

APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
.3	96.3	99.9	100.0	100.0	100.0	99.6	94.9	86.9	92.6
.7	1.0	.1				.4	3.3	6.5	5.1
.[illegible]							.[illegible]	1.1	.8
.3							.7	2.0	.5
.1	.1							.[illegible]	.2
							.1	.5	.2
.1								.1	.1
							.1	.3	.1
									.0
.[illegible]	.1						1.[illegible]	4.5	2.3
[illegible]	1[illegible]	[illegible]	[illegible]	[illegible]	1[illegible]	1[illegible]77	1[illegible]	1[illegible]	12356

OPERATING LOCATION [illegible]
USAFETAC, ASHEVILLE NC

TOTAL MONTHLY PRECIPITATION AMOUNTS IN
RANK SUMMARY OF DAY DATA

STATION NUMBER: [illegible] STATION NAME: UPPER HEYFORD [illegible]
LST TO UTC: +03

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG
51								
52	1.2	TRACE	3.0	TRACE	.0	.0	.0	.0
53	TRACE	1.5	.0	.0	.0	.0	.0	.0
54	1.[illegible]	TRACE	2.[illegible]	.0	.0	.0	.0	.0
55	5.3	7.[illegible]	2.7	.0	1.[illegible]	.0	.0	.0
56	.0	1.9	TRACE	.0	.0	.0	.0	.0
57	.0	.1	.0	.0	.0	.0*	.0*	.0*
58								
59	.7	TRACE	.0	.0	.0	.0	.0	.0
60	.0	.3	.1	.0	.0	.0	.0	.0
61	.0	TRACE	TRACE	.0	.0	.0	.0	.0
62	.0	.0	1.2	TRACE	.0	.0	.0	.0
63	.0	.3	TRACE	TRACE	.0	.0	.0	.0
64	1.[illegible]	.0	4.7*	TRACE	.0	.0	.0	.0
65	4.7	.0	4.1	*				
66								
67	1.[illegible]	[illegible]	.0	TRACE	TRACE	.0	.0	.0
68	4.[illegible]	.0	.3	TRACE	TRACE	.0	.0	.0
69	TRACE	1.4	.0	TRACE	TRACE	.0	.0	.0
70	1.[illegible]	2.4	11.4	.0	.0	.0	.0	.0
71	TRACE	1.3	2.1	TRACE	.0	.0	.0	.0
72	3.0	3.7	2.3	TRACE	.0	.0	.0	.0
73	.0	TRACE	TRACE	TRACE	.0	.0	.0	.0
74	TRACE	.0	7.1	.0	.0	.0	.0	.0
75	.0	TRACE	3.0	1.5	.0	TRACE	.0	.0
76	.0	.0	TRACE	.0				.0*
77	.0	TRACE	.0	TRACE	.0	.0	.0	.0
78	3.[illegible]	.0	3.0	1.1	.0	.0	.0	.0
79	4.[illegible]	3.7	3.4	TRACE	TRACE	.0	.0	.0
80	1.[illegible]	TRACE	TRACE	.0	.0	.0	.0	.0
81	1.4	2.1	TRACE	3.3	.0	.0	.0	.0
82	1.[illegible]	.7	.0	.0	.0	.0	.0	.0
83	1.4	5.0	TRACE	2.4	.0	.0	.0	.0
84	2.[illegible]	TRACE	TRACE	TRACE	.0	.0	.0	.0
85	3.1	1.7	1.0	TRACE	.0	.0	.0	.0

TOTAL MONTHLY SNOWFALL AMOUNTS IN INCHES
FROM SUMMARY OF DAY DATA

: UPPER HEYFORD RAF UK PERIOD OF RECORD: 5111-5710,5810-6504,6509-38
: FCO MONTH: ALL HOURS: ALL

APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
							.0	TRACE	TRACE*
TRACE	.0	.0	.0	.0	.0	.0	5.8	.5	20.0
.0	.0	.0	.0	.0	.0	.0	.0	.0	1.5
.0	.0	.0	.0	.0	.0	.0	.0	TRACE	3.3
.0	1.3	.0	.0	.0	.0	.0	.0	.2	21.0
.0	.0	.0	.0	.0	.0	.0	.0	4.7	7.2
.0	.0	.0*	.0*	.0*	.0*	.0*			.0*
						.0	.0	TRACE	TRACE*
.0	.0	.0	.0	.0	.0	.0	.0	.0	6.7
.0	.0	.0	.0	.0	.0	.0	.0	5.2	21.5
.0	.0	.0	.0	.0	.0	.0	TRACE	5.3	7.2
[illegible]	.0	.0	.0	.0	.0	TRACE	4.1	6.7	17.9
[illegible]	.0	.0	.0	.0	.0	.0	.0	.1	10.6
[illegible]	.0	.0	.0	.0	.0	.0	.7	2.5	12.5*
*									9.4*
					.0*	.0	TRACE	TRACE	TRACE*
[illegible]	TRACE	.0	.	.0	.0	.0	TRACE	2.2	4.1
[illegible]	TRACE	.0	.0	.0	.0	.0	.0	5.2	15.0
[illegible]	TRACE	.0	.0	.0	.0	.0	1.0	3.4	15.3
.0	.0	.0	.0	.0	.0	.0	TRACE	1.[illegible]	23.0
.0	.0	.0	.0	.0	.0	.0	.1	.7	4.4
.0	.0	.0	.0	.0	.0	.0	TRACE	.0	7.5
[illegible]	.0	.0	.0	.0	.0	.0	.1	TRACE	.7
.	.0	.0	.0	.0	.0	.0	.0	.1	7.5
1.5	.0	TRACE	.0	.0	.0	.0	.0	.0	7.6
.0				.0*	.0	.0	.0	5.0	6.1*
[illegible]	.0	.0	.0	.0	.0	.0	TRACE	.0	10.1
1.1	.0	.0	.0	.0	.0	.0	TRACE	5.2	15.0
[illegible]	TRACE	.0	.0	.0	.0	.0	TRACE	.1	17.[illegible]
.0	.0	.0	.0	.0	.0	TRACE	.5	TRACE	1.6
.0	.0	.0	.0	.0	.0	TRACE	TRACE	12.2	22.2
.0	.0	.0	.0	.0	.0	.0	.0	TRACE	16.7
.4	.0	.0	.0	.0	.0	.0	.0	2.0	10.8
[illegible]	.0	.0	.0	.0	.0	.0	.0	.0	2.2
[illegible]	.0	.0	.0	.0	.0	.0	TRACE	TRACE	5.8

OPERATING LOCATION [illegible]
USAFETAC, ASH VILLE [illegible]

TOTAL MONTHLY RAINFALL AMOUNTS IN
FROM SUMMARY OF DAY DATA

STATION NUMBER: [illegible] STATION NAME: UPPER [illegible]
LST TO UTC: +00

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG
[illegible]	[illegible]	3.7	TRACE	TRACE	.0	.0	[illegible]	.0
[illegible]	[illegible]	TRACE	3.0	.0	.0	.0	[illegible]	.0
[illegible]	[illegible]	TRACE	TRACE	TRACE	.0	.0		
LEAST	[illegible]	[illegible]	.0	.0	.0	.0	.0	.0
GREATEST	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	.0	.0
MEAN	[illegible]	2.1	[illegible]	.3	TRACE	TRACE	[illegible]	.0
MEDIAN	1.7	.7	.8	TRACE	.0	.0	.0	.0
SD	[illegible]	[illegible]	[illegible]	[illegible]	.313	[illegible]	[illegible]	[illegible]
TOTAL OBS	[illegible]	992	1002	1020	1023	[illegible]	[illegible]	997

THE GREATEST VALUE OF [illegible] OCCURRED IN [illegible]

NOTE: WHERE VALUE IS [illegible] ON A MONTH WITH LESS THAN [illegible] OF THE

TOTAL MONTHLY SNOWFALL AMOUNTS IN INCHES
FROM SUMMARY OF DAY DATA

[illegible] HOYERD BAR JK

PERIOD OF RECORD: 5111-5710,5810-6504,6609-6806
MONTH: ALL HOURS: ALL

[illegible]	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
[illegible]	.0	.0	.0	.0	.0	.0	.0	.0	5.3
[illegible]	.0	.0	.0	.0	.0	.0	.0	.0	6.4
[illegible]	.0	.0							.0*
[illegible]	.0	.0	.0	.0	.0	.0	.0	.0	.7
[illegible]	1.[illegible]	TRACE	.0	.0	.0	TRACE	[illegible]	12.0	23.0
[illegible]	TRACE	TRACE	.0	.0	.0	TRACE	.4	1.0	10.6
[illegible]	.0	.0	.0	.0	.0	.0	.0	.1	7.7
[illegible]	.313	.000	.000	.000	.006	.000	1.021	2.933	7.004
[illegible]	1023	964	933	997	1003	1077	1050	1045	12356

[illegible] ACCUMULATED PR. 01/02

[illegible] MONTH WITH LESS THAN 90% OF THE DATA AVAILABLE FOR THE MONTH

OPERATING LOCATION "A"
USAF-TAC, ASHEVILLE NC

EXTREME DAILY SNOWFALL AMOUNTS IN
FROM SUMMARY OF DAY DATA

STATION NUMBER: [illegible] STATION NAME: UPPER [illegible] AFB [illegible]
LST TO UTC: +05

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG
51								
52	[illegible]	TRACE	5.0	TRACE	[illegible]	[illegible]	[illegible]	[illegible]
53	TRACE	1.5	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
54	1.[illegible]	TRACE	2.[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
55	4.[illegible]	2.5	1.3	[illegible]	1.[illegible]	[illegible]	[illegible]	[illegible]
56	[illegible]	1.[illegible]	TRACE	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
57	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]*	[illegible]*	[illegible]*
58								
59	[illegible]	TRACE	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
60	[illegible]	4.4	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
61	[illegible]	TRACE	TRACE	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
62	[illegible]	[illegible]	1.2	TRACE	[illegible]	[illegible]	[illegible]	[illegible]
63	[illegible]	2.4	TRACE	TRACE	[illegible]	[illegible]	[illegible]	[illegible]
64	[illegible]	[illegible]	2.5*	TRACE	[illegible]	[illegible]	[illegible]	[illegible]
65	[illegible]	[illegible]	4.1	*				
66								
67	[illegible]	TRACE	[illegible]	TRACE	TRACE	[illegible]	[illegible]	[illegible]
68	[illegible]	[illegible]	[illegible]	TRACE	TRACE	[illegible]	[illegible]	[illegible]
69	TRACE	[illegible]	[illegible]	TRACE	TRACE	[illegible]	[illegible]	[illegible]
70	1.[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
71	TRACE	[illegible]	2.[illegible]	TRACE	[illegible]	[illegible]	[illegible]	[illegible]
72	[illegible]	[illegible]	1.[illegible]	TRACE	[illegible]	[illegible]	[illegible]	[illegible]
73	[illegible]	TRACE	TRACE	TRACE	[illegible]	[illegible]	[illegible]	[illegible]
74	TRACE	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
75	[illegible]	TRACE	4.[illegible]	1.[illegible]	[illegible]	TRACE	[illegible]	[illegible]
76	[illegible]	[illegible]	TRACE	[illegible]				[illegible]*
77	[illegible]	TRACE	[illegible]	TRACE	[illegible]	[illegible]	[illegible]	[illegible]
78	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
79	[illegible]	[illegible]	[illegible]	TRACE	TRACE	[illegible]	[illegible]	[illegible]
80	1.[illegible]	TRACE	TRACE	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
81	[illegible]	4.5	TRACE	3.7	[illegible]	[illegible]	[illegible]	[illegible]
82	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
83	1.4	2.7	TRACE	2.4	[illegible]	[illegible]	[illegible]	[illegible]
84	[illegible]	TRACE	TRACE	TRACE	[illegible]	[illegible]	[illegible]	[illegible]
85	[illegible]	1.2	1.[illegible]	TRACE	[illegible]	[illegible]	[illegible]	[illegible]

EXTREME DAILY SNOWFALL AMOUNTS IN INCHES
FROM SUMMARY OF DAY DATA

UPPER HEYFORD RAF UK — PERIOD OF RECORD: 5111-5710,5810-5504,5609-8309
MONTH: ALL HOURS: ALL

APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
							.0	TRACE	TRACE*
[illegible]	.0	.0	.0	.0	.0	.0	5.3	.5	5.3
.1	.0	.0	.0	.0	.0	.0	.0	.0	1.5
.0	.0	.0	.0	.0	.0	.0	.0	TRACE	2.0
.0	1.3	.0	.0	.0	.0	.0	.0	.2	4.0
.0	.0	.0	.0	.0	.0	.0	.0	2.0	2.0
.0	.0	.0*	.0*	.0*	.0*	.0*			.0*
						.0	.0	TRACE	TRACE*
.0	.0	.0	.0	.0	.0	.0	.0	.0	3.6
.0	.0	.0	.0	.0	.0	.0	.0	2.9	4.4
.0	.0	.0	.0	.0	.0	.0	TRACE	5.5	5.5
	.0	.0	.0	.0	.0	TRACE	2.9	5.0	5.0
[illegible]	.0	.0	.0	.0	.0	.0	.0	.1	3.4
	.0	.0	.0	.0	.0	.0	.7	2.5	2.5*
*									4.1*
					.0*	.0	TRACE	TRACE	TRACE*
	TRACE	.0	.0	.0	.0	.0	TRACE	1.0	1.0
[illegible]	TRACE	.0	.0	.0	.0	.0	.0	3.0	4.0
	TRACE	.0	.0	.0	.0	.0	1.0	1.4	4.5
.4	.0	.0	.0	.0	.0	.0	TRACE	1.0	3.2
	.0	.0	.0	.0	.0	.0	.1	.7	2.0
	.0	.0	.0	.0	.0	.0	TRACE	.0	2.7
	.0	.0	.0	.0	.0	.0	.1	TRACE	.6
.0	.0	.0	.0	.0	.0	.0	.0	.1	4.5
.0	.0	TRACE	.0	.0	.0	.0	.0	.0	4.6
.0				.0*	.0	.0	.0	3.0	3.9*
	.0	.0	.0	.0	.0	.0	TRACE	.0	3.0
	.0	.0	.0	.0	.0	.0	TRACE	2.0	3.0
	TRACE	.0	.0	.0	.0	.0	TRACE	.1	3.3
	.0	.0	.0	.0	.0	TRACE	.3	TRACE	1.0
.7	.0	.0	.0	.0	.0	TRACE	TRACE	4.5	4.5
	.0	.0	.0	.0	.0	.0	.0	TRACE	9.0
.0	.0	.0	.0	.0	.0	.0	.0	1.4	2.7
	.0	.0	.0	.0	.0	.0	.0	.0	2.0
	.0	.0	.0	.0	.0	.0	TRACE	TRACE	1.2

OPERATING LOCATION [illegible]
USAFETAC, ASHEVILLE [illegible]

EXTREME DAILY SNOWFALL AMOUNTS IN
FROM SUMMARY OF DAY DATA

STATION NUMBER: [illegible] STATION NAME: UPPER [illegible]
LST TO UTC: +00

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG
86	[illegible]	3.4	TRACE	TRACE	.0	[illegible]	[illegible]	[illegible]
87	[illegible]	TRACE	2.1	.0	.0	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	TRACE	TRACE	TRACE	.0	[illegible]		
GREATEST	[illegible]	[illegible]	[illegible]	2.7	[illegible]	TRACE	[illegible]	[illegible]
TOTAL [illegible]	[illegible]	[illegible]	[illegible]	1027	1023	[illegible]	[illegible]	[illegible]

THE GREATEST VALUE IN [illegible] 9.0 OCCURRED ON 01/[illegible]/[illegible]

NOTE: [illegible] VALUE IS BASED ON A MONTH WITH LESS THAN [illegible] OF THE

EXTREME DAILY SNOWFALL AMOUNTS IN INCHES
FROM SUMMARY OF DAY DATA

CHI [illegible] REYFORD AFB OK

PERIOD OF RECORD: 5111-5710,5310-6504,6609-6606
MONTH: ALL HOURS: ALL

	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
	.0	.0	.0	.0	.0	.0	.0	.7	3.4
	.0	.0	.0	.0	.0	.0	.0	.0	3.0
	.0	.0							.8*
	[illegible]	TRACE	.0	.0	.0	TRACE	5.3	5.5	9.0
	[illegible]	[illegible]	[illegible]	[illegible]	1003	1077	1050	1095	12356

[illegible] 01/03/[illegible]

* WITH BUT LESS THAN 90% OF THE DATA AVAILABLE FOR THE MONTH

OPERATING LOCATION [illegible]
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF [illegible]
FROM SUMMARY OF [illegible] DATA

STATION NUMBER: [illegible] STATION NAME: UPPER [illegible]
LST TO UTC: +00

AMOUNTS (INCHES)	JAN	FEB	MAR	APR	MAY	JUN	JUL
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
TRACE	.[illegible]	[illegible]	3.2	.7			
1	[illegible]	4.1	.[illegible]				
2	[illegible]	[illegible]	.4				
3	[illegible]	[illegible]	.4	.1			
4-[illegible]	[illegible]	1.3	.4				
[illegible]-12	[illegible]		.2				
13-[illegible]							
[illegible]							
[illegible]							
[illegible]							
[illegible]							
[illegible]							
DAYS WITH [illegible]	[illegible]	[illegible]	[illegible]	.1			
TOTAL NO. OBSERVATIONS	[illegible]	[illegible]	1097	[illegible]	[illegible]	[illegible]	[illegible]

FREQUENCY OF OCCURRENCE OF SNOW DEPTH IN INCHES
FROM SUMMARY OF DAY DATA

[illegible] RAPID CR

PERIOD OF RECORD: 5111-8606
MONTH: ALL HOURS: ALL

[illegible]	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
[illegible]	100.0	100.0	100.0	100.0	100.0	100.0	98.6	92.2	95.4
.7							.9	3.2	2.1
							.5	1.6	.9
								1.3	.6
.1								.7	.4
							.1	.9	.6
								.2	.1
.1							.1	4.7	2.5
[illegible]	1049	1052	1052	1075	1060	1100	1091	1096	12876

OPERATING LOCATION [illegible]
USAFETAC, ASHEVILLE NC

EXTREME DAILY SNOW DEPTH AMOUNTS IN
FROM SUMMARY OF DAY DATA

STATION NUMBER: [illegible] STATION NAME: UPPER HEYFORD [illegible]
EST TO UTC: +00

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG
71								
72	1	0	0	TRACE	0	0		0
73	TRACE	0		0	0	0	0	0
74	TRACE	TRACE	0	0	0	0	0	0
75	4	4	1	0	0	0	0	
76	0	0	TRACE	0	0			
77	TRACE	TRACE	0	0	0	**	**	**
78	1**	**	**	**	**	**	**	**
79		0	0	0				
80	0	0	0	0	0	0	0	0
81	TRACE	0	0	0	0	0		
82	0	TRACE	TRACE	0	0	0	0	
83		0	0	0	0			
84		0	**	0	0	0	0	
85	0		0	**	**	**	**	**
86	**	**	**	**	**	**	**	
87		0	0	0	0			
88	0	TRACE	0					
89	0	0	TRACE	0	0	0		
90	TRACE	0	0	TRACE	0			
91	TRACE	TRACE	0	0	0	0		
92	TRACE	TRACE	TRACE	0	0	0	0	
93	TRACE	TRACE	0	0	0	0	0	
94		TRACE	0	0	0	0	0	0
95	0	0	TRACE	0	0	0	0	
96	TRACE	1	0	0				0
97	0	0	1	0	0	0	0	
98	0	TRACE	0	TRACE		0	0	
99	0	4	0	0	0	0	0	0
00	1	0	0	0	0	0	0	
01	TRACE	4	0	0	0		0	0
02	0	0	0	0	0	0	0	0
03	0	0	0	0	0	0	0	0
04	1	0	0	0	0	0	0	0
05	0	TRACE	0	0	0	0	0	0
06	0	0	1	TRACE	0	0	0	0

```
        EXTREME DAILY SNOW DEPTH AMOUNTS IN INCHES
              FROM SUMMARY OF DAY DATA

   : UPPER HEYFORD RAF UK                          PERIOD OF RECORD: 8111-[illegible]
[illegible]                                        MONTHS: ALL     HOURS: ALL
..................................................................................
      APR    MAY    JUN    JUL    AUG    SEP    OCT    NOV    DEC       ANNUAL
..................................................................................
                                                         0    TRACE     TRACE*
                                                                        TRACE
                                                         1      7
                                                                        TRACE
                                                                        TRACE
                                                                        TRACE
                                                                        TRACE
```

[illegible]

[illegible]

STATION NUMBER: [illegible] STATION NAME: [illegible]
EST TIME ZONE: [illegible]

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG
[illegible]	[illegible]	[illegible]	TRACE	[illegible]	[illegible]			
[illegible]	[illegible]	TRACE	[illegible]	[illegible]	[illegible]			
[illegible]	[illegible]	[illegible]	[illegible]	TRACE	[illegible]			

[illegible]

YEAR	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

[illegible]

[illegible]

EXTREME DAILY SNOW DEPTH AMOUNTS IN INCHES
FROM SUMMARY OF DAY DATA

[illegible] AFB [illegible] PERIOD OF RECORD: 5111-[illegible]
MONTH: ALL HOURS: ALL

[illegible]	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
[illegible]	0	0	0	0	0	0	0	TRACE	3
[illegible]	0	0	0	0	0	0	0	0	4
[illegible]	0	0							1*

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	5	7	9
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1150	[illegible]	[illegible]	12-76

[illegible] 3/30/[illegible]

[illegible] DATA AVAILABLE [illegible]

OPERATIONS LOCATION MAP — FIRST AND LAST DAYS OF OCCURRENCE OF [illegible]
USAFETAC, [illegible] — [illegible] SUMMARY OF DAY DATA

STATION [illegible] : [illegible] STATION NAME: [illegible]

[illegible]	FIRST [illegible]	FIRST MEASURABLE SNOWFALL	FIRST MEASURABLE [illegible]	LAST [illegible]
51 - [illegible]	[illegible] 29	JAN 28	JAN 28	APR 22
52 - [illegible]	[illegible] 17	NOV 26	NOV 29	[illegible] 14
53 - [illegible]	JAN 2	JAN [illegible]		[illegible] 14
54 - [illegible]	[illegible] 27	JAN 28	JAN [illegible]	[illegible] 1
55 - [illegible]	[illegible] 11	[illegible] 13	JAN 31	[illegible] 1
[illegible] - [illegible]	[illegible] 24	DEC 24	[illegible]	[illegible]
57 - [illegible]			JAN 21	
[illegible] - [illegible]	[illegible]	JAN 25	JAN 27	[illegible]
[illegible] - [illegible]	JAN 1	JAN 13	JAN [illegible]	[illegible]
[illegible] - [illegible]	[illegible]	[illegible]		[illegible]
[illegible] - [illegible]	[illegible]	[illegible] 24	[illegible]	[illegible] 15
[illegible] - [illegible]	[illegible] 21	NOV 16	NOV 21	[illegible] 12
[illegible] - [illegible]	[illegible] 13	[illegible] 14		[illegible]
[illegible] - [illegible]	[illegible]	NOV [illegible]		[illegible]
[illegible] - [illegible]	[illegible]	JAN [illegible]		[illegible]
[illegible] - [illegible]	[illegible] 27	DEC [illegible]	JAN [illegible]	[illegible]
[illegible] - [illegible]	[illegible] 17	DEC 24	[illegible]	[illegible] 1
[illegible] - [illegible]	[illegible]	NOV [illegible]		[illegible]
[illegible] - [illegible]	[illegible] 1	[illegible]	[illegible]	
[illegible] - [illegible]	[illegible]	NOV [illegible]		[illegible]
[illegible] - [illegible]	[illegible] 15	JAN 13		[illegible]
[illegible] - [illegible]	[illegible]	NOV [illegible]	NOV 1	[illegible] 1
[illegible] - [illegible]	[illegible] 11	[illegible] 11		[illegible]
[illegible] - [illegible]	[illegible] 24	JAN [illegible]	[illegible]	[illegible]
[illegible] - [illegible]	[illegible] 17	DEC 17	[illegible] 17	[illegible]
[illegible] - [illegible]	[illegible] 21	JAN 11	JAN 17	[illegible]
[illegible] - [illegible]	[illegible] 29	DEC [illegible]	[illegible] 21	[illegible]
[illegible] - [illegible]	[illegible] 24	[illegible] 21	JAN [illegible]	[illegible] 1
- [illegible]	[illegible] 27	NOV 27	[illegible]	[illegible]

[illegible]T AND LAST DAYS OF OCCURRENCE BY SNOW-YEAR
FROM SUMMARY OF DAY DATA

[illegible] AFFE[illegible] RAF JK

PERIOD OF RECORD: 5111-8806
SNOW-YEAR: 1 AUG - 31 JUL

FIRST MEASURABLE SNOW DEPTH	LAST SNOWFALL	LAST MEASURABLE SNOWFALL	LAST MEASURABLE SNOW DEPTH
JAN 23	APR 02	MAR 30	MAR 30
NOV 20	FEB 14	FEB 14	FEB 15
	MAR 14	MAR 02	
JAN 26	MAY 1[illegible]	MAY 17	MAR 27
JAN 31	MAR 1[illegible]	FEB 23	FEB 2[illegible]
DEC 26	FEB 23	FEB 1[illegible]	DEC 27
JAN 21			JAN 24
JAN 27	[illegible]	JAN 23	JAN 1[illegible]
JAN 1[illegible]	MAR 2[illegible]	MAR 24	FEB 15
	MAR [illegible]	JAN 2[illegible]	
DEC 2[illegible]	MAR 1[illegible]	MAR 2[illegible]	JAN 31
NOV 21	APR 1[illegible]	FEB 23	MAR 02
	APR [illegible]	JAN 1[illegible]	
	MAR [illegible]	MAR 24	
	MAY 22	MAR 27	
JAN 1	MAY [illegible]	MAR 1[illegible]	JAN 13
NOV 2[illegible]	MAY 1[illegible]	MAR 12	FEB 22
NOV [illegible]	APR 1[illegible]	APR 22	MAR 11
DEC 2[illegible]	MAR 2[illegible]	MAR 2[illegible]	DEC 2[illegible]
	APR 10	MAR 11	
	APR 27	JAN 1[illegible]	
MAR 01	MAR 1[illegible]	MAR 1[illegible]	MAR 10
	JUN [illegible]	APR [illegible]	
[illegible]	MAR [illegible]	FEB 11	FEB [illegible]
DEC 17	APR 2[illegible]	MAR 2[illegible]	MAR 2[illegible]
JAN 17	APR 2[illegible]	APR 13	MAR 16
DEC 21	MAY 05	MAR 27	MAR 19
JAN 2[illegible]	MAR 1[illegible]	JAN 1[illegible]	JAN 1[illegible]
FEB [illegible]	MAR 27	APR 2[illegible]	APR 2[illegible]

OPERATING LOCATION [illegible]
USAFTAC, ASHEVILLE NC

FIRST AND LAST DAYS OF [illegible]
FROM SUMMARY OF DAY DATA

STATION NUMBER: [illegible] STATION NAME: [illegible]

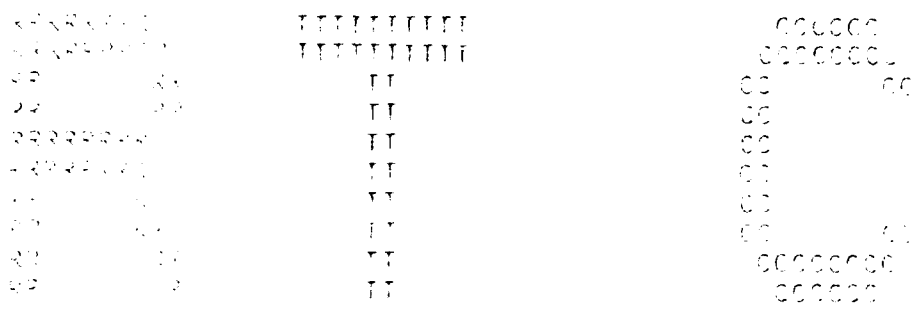
SUMMARY A	FIRST SNOWFALL	FIRST MEASURABLE SNOWFALL	FIRST MEASURABLE SNOW DEPTH	LAST [illegible]
81 - [illegible]	OCT 25	DEC 07	DEC [illegible]	[illegible] 1
[illegible] - [illegible]	[illegible] 12	JAN 31	JAN 31	[illegible]
[illegible] - [illegible]	[illegible] 11	DEC 11	DEC 11	[illegible]
[illegible] -	JAN 24	JAN [illegible]	JAN [illegible]	[illegible]
[illegible] -	[illegible] 1[illegible]	JAN 27	JAN [illegible]	[illegible] 1
[illegible] - [illegible]	[illegible] 13	DEC 21	JAN 14	[illegible]
7 - [illegible]	JAN 22	JAN 22	JAN 22	[illegible]
[illegible] - [illegible]	[illegible]	DEC 21	JAN [illegible]	[illegible]

FIRST AND LAST DAYS OF OCCURRENCE BY SNOW-YEAR
FROM SUMMARY OF DAY DATA

SITE: UPPER DEVEREUX RAF UK

PERIOD OF RECORD: 5111-5006
SNOW-YEAR: 1 AUG - 31 JUL

LAST MEASURABLE RAINFALL	FIRST MEASURABLE SNOW DEPTH	LAST SNOWFALL	LAST MEASURABLE SNOWFALL	LAST MEASURABLE SNOW DEPTH
[illegible] 27	DEC [illegible]	MAR 19	MAR 15	JAN 17
[illegible] 31	JAN 31	APR 06	APR 04	FEB 12
[illegible] 11	DEC 1[illegible]	[illegible] 31	JAN 24	JAN 29
[illegible] 5	JAN [illegible]	APR 27	MAR 21	MAR 21
[illegible] 27	JAN [illegible]	APR 1[illegible]	FEB 17	FEB 16
[illegible] 21	JAN 14	APR 22	MAR 27	MAR 23
[illegible] 22	JAN 22	[illegible] 30	JAN 22	JAN 22
21	JAN [illegible]	[illegible]	MAR 1[illegible]	FEB 1[illegible]



PART C

SURFACE WIND SUMMARIES

PEAK WINDS.
THESE TABLES ARE CREATED FROM SUMMARY OF DAY DATA. DIRECTIONS ARE TO 16 COMPASS POINTS FROM THE BEGINNING THROUGH JUNE 1968, BUT IN JULY 1968, ALL STATIONS OF WEATHER SERVICE STARTED RECORDING DIRECTIONS IN TENS. IS SUMMARIZED BY MONTH FOR EACH YEAR FOR THE ENTIRE AVAILABLE. GIVEN: THE GREATEST MONTHLY VALUE FOR GREATEST YEARLY VALUE FOR ALL YEARS COMBINED, AND THE PEAK WIND RECORDED FOR THE ENTIRE PERIOD OF RECORD. A VALUE FOR A MONTH FOR WHICH LESS THAN [illegible] OF THE ASTERISK ALSO DENOTES A YEAR(S) WITH [illegible]

PEAK WINDS--PERCENT OCCURRENCE FREQUENCY.
ALSO FROM SUMMARY OF DAY DATA. THIS IS A MONTHLY YEARS COMBINED, FOR SEVEN WIND SPEED GROUPS. THE INCLUDES CALM WINDS. IF THE PEAK WIND IS [illegible] AS "CALM," THAT COUNT GOES INTO THE "1-6 KNOT" CAT MEANS, MEDIANS, AND TOTAL OBSERVATIONS CONTAIN. THE ACCOUNT FOR A PEAK WIND THAT RECORDED THE [illegible]

[illegible] DIRECTION VS WIND SPEED--PERCENT OCCURRENCE FREQUENCY.
THESE TABLES ARE CREATED FROM HOURLY [illegible] DATA. THE DATA IS FOLLOWS:

- BY [illegible] 3-HOUR STANDARD TIME [illegible]
- BY MONTH (ALL YEARS AND ALL [illegible]).
- BY YEAR (ALL YEARS AND ALL [illegible]).

[illegible] GIVES A 1/4 DATE DISTRIBUTION OF THE [illegible] PROBABILITY (PCT) [illegible] STATIONS BEGAN IN 40 STARTED [illegible]. "CALM" [illegible] IVEN SEPARATELY. [illegible] TOTAL OBSERVATIONS, [illegible], AND MEDIANS [illegible] OBSERVATION COUNTS, [illegible] DAY.

CEILING/VISIBILITY: A BIVARIATE DISTRIBUTION [illegible] FOR SPECIFIED CEILING//VISIBILITY [illegible]

[illegible] THE VISIBILITY IS GREATER THAN [illegible] TO 1/[illegible] THE CEILING MUST BE GREATER THAN [illegible] IF THIS CONDITION IS NOT MET, THE [illegible] FOLLOWING [illegible] THE CEILING IS GREATER THAN [illegible] BUT GREATER THAN OR EQUAL TO 1/2 [illegible]

CONVERSION: 1 KNOT = .51479 METERS PER SEC.

PART C

SURFACE WIND SUMMARIES

ATE PERIOD SUMMARY OF DAY DATA. SPEEDS ARE IN KNOTS.
COMPASS POINTS FROM THE BEGINNING OF PERIOD OF RECORD
T IN JULY 1958, ALL STATIONS EXCEPT THOSE OF THE NATIONAL
T-D RECORDING DIRECTIONS IN TENS OF DEGREES. DATA
TH FOR EACH YEAR FOR THE ENTIRE PERIOD OF RECORD
THE GREATEST MONTHLY VALUE FOR ALL YEARS COMBINED, THE
FOR ALL YEARS COMBINED, AND THE DATE OF THE ABSOLUTE
THE ENTIRE PERIOD OF RECORD. AN ASTERISK (*) INDICATES
WHICH LESS THAN 90% OF THE DATA ARE AVAILABLE. AN
A YEAR(S) WITH ONE OR MORE MISSING AND/OR INCOMPLETE MONTHS.

FREQUENCY.
DAY DATA. DATA IS SUMMARIZED BY MONTH, FOR ALL
SEVEN WIND SPEED GROUPS. THE 1-4 KNOT SPEED GROUP
IF THE PEAK WIND IS REPORTED FOR A PARTICULAR DAY
GOES INTO THE "1-4 KNOT" CATEGORY. TABLES INCLUDE
TOTAL OBSERVATION COUNTS. THE VALUES IN THIS SUMMARY
PERIOD RECORDED FOR EACH DAY OF EACH MONTH.

--PERCENT OCCURRENCE FREQUENCY.
FROM HOURLY OBS VATIONS. THEY SUMMARIZE

STANDARD TIME PERIODS FOR EACH MONTH (ALL YEARS COMBINED).

AND ALL HOURS COMBINED).

AND ALL HOURS COMBINED).

DATE DISTRIBUTION OF THE PERCENT OCCURRENCE
WIND SPEED GROUPS VERSUS TRUE WIND DIRECTION
TWELVE INCREMENTS. "CALM" AND "VARIABLE" WINDS ARE
TOTAL WIND DIRECTIONS (N,E,S,W) APPEAR FOR REFERENCE.
AND MEDIANS FOR EACH SECTOR, ALONG WITH TOTAL OBS-
TAINED ALONG EACH SUMMARY.

DATE DISTRIBUTION OF THE DIRECTION VERSUS WIND SPEED
VISIBILITY CONDITIONS. THESE CONDITIONS ARE:

IS GREATER THAN OR EQUAL TO 1/2 MILES (800 METERS)
GREATER THAN OR EQUAL TO 200 FEET BUT LESS THAN 1000 FEET.
NOT MET, THEN THE FOLLOWING CONDITION IS TESTED:
GREATER THAN OR EQUAL TO 200 FEET, THE VISIBILITY MUST
EQUAL TO 1/2 (800 METERS) BUT LESS THAN 3 MILES (4800 METERS).

. 1471 METERS PER SECOND

OPERATING LOGISTICS [illegible]
USAFTAC, SCHOVILLE [illegible]

PEAK SURFACE WINDS BY MONTHS
[illegible] SUMMARY [illegible] BY DATA

STATION NUMBER: [illegible] STATION NAME: [illegible]
LST TO UTC: +[illegible]

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG
58	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
59	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
61	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
62	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
63	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
64	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
65	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
66	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
67	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
68	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
69	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
70	17/ [illegible]	27/ [illegible]	27/ [illegible]	27/ [illegible]	27/ [illegible]	27/ [illegible]	[illegible]	[illegible]
71	17/ [illegible]	27/ [illegible]	27/ [illegible]	27/ [illegible]	27/ [illegible]	27/ [illegible]	[illegible]	[illegible]
72	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
73	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
74	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
75	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
76	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
77	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
78	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
79	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
80	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
81	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
82	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
83	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
84	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
85	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
86	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
87	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
88	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

PEAK SURFACE WINDS IN KNOTS
FROM SUMMARY OF DAY DATA

[illegible]: [illegible] DEVERSOIR [illegible] UK PERIOD OF RECORD: [illegible]
[illegible] MONTH: ALL HOURS: ALL

[illegible]	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
								[illegible] 30	[illegible]*30
[illegible]	[illegible] 25	[illegible] 31	[illegible]	[illegible] 24	[illegible] 30	[illegible] 42	[illegible] 40	[illegible] 42	[illegible] 42
[illegible]	[illegible] 28	[illegible] 34	[illegible] 33	[illegible] 29	[illegible] 33	[illegible] 32	[illegible] 43	[illegible] 45	[illegible] 48
[illegible]	[illegible] 37	[illegible] *27	[illegible] *35	[illegible] *41	[illegible] *35	[illegible]*40	[illegible] *40	[illegible] 54	[illegible] *54
[illegible]	[illegible] 40	[illegible] 35	[illegible] 33	[illegible]	[illegible]	[illegible] 31	[illegible] 39	[illegible] 45	[illegible] 53
[illegible]	[illegible] 34	[illegible] 36	[illegible] 27	[illegible] 32	[illegible] 37	[illegible] 34	[illegible] 51	[illegible] 35	[illegible] 51
[illegible]	[illegible] 37	[illegible] 33	[illegible] 35	[illegible] 33	[illegible] 40	[illegible] 35	[illegible] 42	[illegible] 44	[illegible] 44
[illegible]	[illegible]	[illegible]	[illegible] *33	[illegible]*32	[illegible] *43	[illegible] *32	[illegible]*45	[illegible] *40	[illegible] *49
[illegible]	[illegible] *34	[illegible] *34	[illegible] *33	[illegible] 36	[illegible] 27	[illegible] 39	[illegible] 44	[illegible] 45	[illegible] *44
[illegible]	[illegible] 43	[illegible]	[illegible]	[illegible] 35	[illegible] 40	[illegible]	[illegible] 32	[illegible] 30	[illegible]*53
[illegible]	[illegible] 33	[illegible] 31	[illegible] 31	[illegible] 35	[illegible] 42	[illegible] 31	[illegible] 34	[illegible] 35	[illegible] 49
[illegible]	[illegible] 25	[illegible] 27	[illegible] 27	[illegible] 26	[illegible] 42	[illegible] 35	[illegible] 42	[illegible] 43	[illegible] 43
[illegible]	[illegible] 33	[illegible] 33	[illegible] 33	[illegible] 33	[illegible] 41	[illegible] 39	[illegible] 43	[illegible] 35	[illegible] 48
[illegible]	[illegible] 25	[illegible] 27	[illegible] 35	[illegible] 33	[illegible] 30	[illegible] 45	[illegible] 30	[illegible] 33	[illegible] 45
[illegible]	[illegible] 42	[illegible] 33	[illegible]	[illegible] 33	[illegible] 41	[illegible] 32	[illegible] 51	[illegible] 41	[illegible] 55
[illegible]	[illegible] 37	[illegible] 34	[illegible]	[illegible] 44	[illegible] 34	[illegible] 35	[illegible] 37	[illegible] 33	[illegible] 51
[illegible]	[illegible] 33	[illegible] 40	[illegible] 33	[illegible] 34	[illegible] 1	[illegible] 33	[illegible] 47	[illegible] 42	[illegible] 52
[illegible]	[illegible] 37	[illegible] 44	[illegible] 34	[illegible] 25	[illegible] 45	[illegible] 35	[illegible] 35	[illegible] 35	[illegible] 45
[illegible]				[illegible]/*[illegible]	[illegible] 37	[illegible] 35	[illegible] 42	[illegible]/*[illegible]	[illegible]/*[illegible]
[illegible]	[illegible] 37	[illegible] 35	[illegible] 35	[illegible] 37	[illegible] 33	[illegible] 45	[illegible] 55	[illegible] 55	[illegible] 55
[illegible]	[illegible] 35	[illegible] 35	[illegible] 34	[illegible] 34	[illegible] 41	[illegible] 35	[illegible] 47	[illegible] 42	[illegible] 55
[illegible]	[illegible] 33	[illegible] 35	[illegible] 37	[illegible] 47	[illegible] 35	[illegible] 31	[illegible] 40	[illegible] 47	[illegible] 47
[illegible]	[illegible] 35	[illegible] 33	[illegible] 31	[illegible] 37	[illegible] 33	[illegible] 35	[illegible] 37	[illegible] 35	[illegible] 47
[illegible]	[illegible] 31	[illegible] 34	[illegible] 31	[illegible] 34	[illegible] 47	[illegible] 45	[illegible] 53	[illegible] 33	[illegible] 58
[illegible]	[illegible] 43	[illegible] 33	[illegible]/*[illegible]	[illegible]/*[illegible]	[illegible] 39	[illegible] 33	[illegible] 44	[illegible] 43	[illegible]/*[illegible]
[illegible]	[illegible] 31	[illegible] 25	[illegible]	[illegible] 35	[illegible] 40	[illegible] 44	[illegible] 43	[illegible] 43	[illegible] 54
[illegible]	[illegible] 33	[illegible] 29	[illegible]	[illegible] 34	[illegible] 34	[illegible] 35	[illegible] 41	[illegible] 33	[illegible] 52
[illegible]	[illegible] 27	[illegible] 32	[illegible] 31	[illegible] 33	[illegible] 37	[illegible] 35	[illegible] 39	[illegible] 40	[illegible] 49
[illegible]	[illegible] 37	[illegible] 34	[illegible] 33	[illegible] 32	[illegible] 33	[illegible] 43	[illegible] 43	[illegible] 45	[illegible] 60
[illegible]	[illegible] 43	[illegible] 34	[illegible] 34	[illegible] 31	[illegible] 31	[illegible] 52	[illegible] 37	[illegible] 31	[illegible] 74
[illegible]	[illegible] 24	[illegible] 33							[illegible]/*[illegible]

[illegible]

[illegible]

[illegible]

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

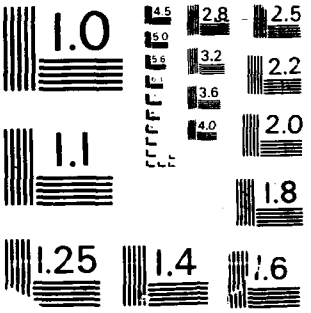
[illegible]

[illegible]

[illegible]

[illegible]

AD-A211 167 SURFACE OBSERVATION CLIMATIC SUMMARIES (SOCS) FOR UPPER 2/3
HEYFORD RAF UNITED KINGDOM(U) AIR FORCE ENVIRONMENTAL
TECHNICAL APPLICATIONS CENTER SCOTT A.. JUN 89
UNCLASSIFIED USAFETAC/DS-89/206 F/G 4/2 NL


1.0
4.5
5.0
5.6
2.8
2.5
3.2
2.2
3.6
4.0
2.0
1.1
1.8
1.25
1.4
1.6

PEAK SURFACE WINDS IN KNOTS
[illegible] Y [illegible] AY DATA

[illegible] YE[illegible] A[illegible] PERIOD OF RECORD: 5812-[illegible]
MONTH: ALL HOURS: ALL

	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
[illegible]	[illegible] 43	27/ 49	[illegible]	35	24/ 47	22/ 51	24/ 54	25/ 50	23/ 59	23/ 74
[illegible]	[illegible]	324	324	35	453	575	[illegible]	506	12363

[illegible]/ [illegible] 03/27/57

[illegible] MONTH WITH LESS THAN 90% OF DATA AVAILABLE FOR THE MONTH
[illegible] WITH LESS THAN [illegible] OF DATA AVAILABLE FOR THE MONTH

[illegible] CLIMATIC [illegible]
[illegible]

PERCENTAGE FREQUENCY OF OCCURRENCE [illegible]
[illegible]

STATION [illegible] : [illegible] STATION NAME: [illegible]
LST TO UTC: +0)

MONTH	CALM-	[illegible]	10-14	15-19	20-24	25-29	30-34	[illegible]
JAN	.3	4.7	19.4	21.9	17.1	13.7	11.2	9.
FEB	.	5.7	18.4	22.3	19.5	14.5	9.2	4.
MAR	.1	4.5	14.1	23.[illegible]	20.6	12.7	[illegible]	.2
APR	.1	3.	17.3	[illegible]	[illegible]	14.1	7.5	4.
MAY	.1	4.1	14.7	25.9	20.5	13.4	[illegible]	1.[illegible]
JUN	.	4.	[illegible]	31.[illegible]	[illegible]	1[illegible].7	[illegible]	.
JUL	.	[illegible]	[illegible]	32.[illegible]	20.5	1[illegible].7	3.[illegible]	.
AUG	.1	.7	24.5	[illegible].3	25.9	[illegible]	4.	1.7
SEP	.1	7.2	23.2	[illegible].4	21.4	[illegible]	[illegible]	.
OCT	.1	[illegible]	22.[illegible]	22.[illegible]	22.[illegible]	11.2	[illegible]	2.
NOV	[illegible]	[illegible]	13.[illegible]	25.5	19.[illegible]	13.1	[illegible].1	[illegible]
DEC	.4	7.4	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible].7
ANNUAL	.1	[illegible]	[illegible]	[illegible]	[illegible]	12.7	7.1	[illegible]

[illegible] FREQUENCY OF OCCURRENCE OF DAILY PEAK WINDS
FROM SUMMARY OF DAY DATA

[illegible] ALYESKA [illegible]

[illegible] PERIOD OF RECORD: 5812-[illegible]
MONTH: ALL HOURS: ALL

WIND SPEEDS IN KNOTS								MEAN WIND	MEDIAN WIND	TOTAL OBS
[illegible]	20-24	25-29	30-34	35-39	40-49	50-64	65-65			
[illegible]	17.1	13.7	13.[illegible]	5.5	4.[illegible]	.3	.1	21.7	25.0	318
.3	19.5	18.5	[illegible]	4.[illegible]	3.1	.2	.0	22.[illegible]	20.0	833
.[illegible]	23.6	15.2	[illegible]	[illegible].1	3.3	.[illegible]	.1	22.1	21.0	917
.[illegible]	25.4	13.1	7.5	4.3	1.5	.2	.0	20.7	22.0	778
.3	22.5	13.4	5.0	1.5	.[illegible]	.0	.0	19.5	19.5	458
.[illegible]	25.4	13.7	[illegible]	.[illegible]	.1	.[illegible]	.[illegible]	1[illegible].4	1[illegible]	324
.	20.5	17.7	3.[illegible]	.[illegible]	.[illegible]	.0	.[illegible]	17.3	17.0	[illegible]24
[illegible]	22.[illegible]	1[illegible]	[illegible]	1.7	.[illegible]	.[illegible]	.[illegible]	1[illegible].2	17.0	[illegible]35
.[illegible]	21.[illegible]	1[illegible]	[illegible]	[illegible]	1.5	.1	.[illegible]	1[illegible].2	1[illegible]	[illegible]
.[illegible]	22.[illegible]	11.2	[illegible]	2.[illegible]	1.4	.[illegible]	.0	1[illegible].1	1[illegible]	[illegible]76
.	19.[illegible]	13.1	[illegible]	[illegible]	[illegible]	.[illegible]	.0	21.4	2[illegible]	[illegible]
.[illegible]	1[illegible]	1[illegible]	[illegible]	4.7	[illegible]	.[illegible]	.0	21.1	[illegible]	[illegible]
.3	22.2	12.7	7.1	3.4	[illegible]	.2	.0	20.1	13.0	10368

OPERATIONS [illegible] WAR PERCENTAGE FREQUENCY OF [illegible]
USAFETAC, [illegible] FROM [illegible] OBSERVATIONS

STATION [illegible] : [illegible] STATION NAME: [illegible]
LST TO UTC: - [illegible] [illegible]

DIRECTION (TO [illegible])	WIND SPEED IN KNOTS 1-4	5-7	10-14	15-19	20-24	25-29	30-34	35-39	40-[illegible]	[illegible]
(N) [illegible]	1.7	1.7	1.[illegible]	.[illegible]						
[illegible]	1.[illegible]	2.[illegible]	.[illegible]	.[illegible]	.[illegible]					
[illegible]	[illegible]	1.	1.[illegible]	.[illegible]	.[illegible]	.1				
(E) [illegible]	1.	1.7	.	1.						
[illegible]	1.7	.[illegible]	.[illegible]	.[illegible]						
[illegible]	.[illegible]	1.[illegible]	1.1	.[illegible]	.1					
(S) [illegible]	.[illegible]	[illegible]	1.[illegible]	.[illegible]	.1					
[illegible]	[illegible]	[illegible]	[illegible]	1.7	1.[illegible]	.1				
[illegible]	1.7	[illegible]	[illegible]	[illegible]	.[illegible]					
(W) [illegible]	1.[illegible]	[illegible]	[illegible]	1.2	.[illegible]	.1				
[illegible]	1.[illegible]	[illegible]	[illegible]	[illegible]	.2					
[illegible]	[illegible]	[illegible]	1.1							
VARIABLE	.1		.7	.1						
CALM	//									
TOTALS	[illegible]	[illegible]	24.4	11.3	2.[illegible]	[illegible]				

TOTAL NUMBER OF OBSERVATIONS [illegible]

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM MONTHLY OBSERVATIONS

[illegible] PERIOD OF RECORD: JUL 74 - JUN [illegible]
[illegible] MONTH: JAN HOURS: 00-23

	WIND SPEED IN KNOTS										
[illegible]	16-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN (KT)	MEDIAN (KT)
[illegible]	.2								4.5	7.0	[illegible]
[illegible]	.5	.2							5.2	7.[illegible]	6.0
[illegible]	.7	.2	.1						5.[illegible]	8.6	8.0
[illegible]	1.5								5.[illegible]	[illegible].1	5.0
[illegible]	.7								4.1	7.[illegible]	5.5
[illegible]	.4	.1							[illegible].4	7.5	[illegible].0
[illegible]	.7	.1							[illegible]	8.5	[illegible].0
[illegible]	1.6	1.3	.1						1[illegible].3	8.6	9.0
[illegible]	2.7	.9							1[illegible].4	9.4	9.0
[illegible]	1.1	.4	.1						1[illegible].1	10.7	10.0
[illegible]	2.2	.2							[illegible].4	10.6	10.0
[illegible]									.3	[illegible].0	[illegible].0
[illegible]	.1								.4	11.0	10.0
[illegible]									[illegible].1		
[illegible]	11.[illegible]	2.[illegible]	.2						100.0	[illegible].5	[illegible].0

TOTAL NUMBER OF OBSERVATIONS 929

```
OPERATING LOCATION A, [illegible]           PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND [illegible]
USAFETAC, ASHEVILLE NC                                    FROM HOURLY OBSERVATIONS

STATION NUMBER: [illegible]   STATION NAME: UPPER HEYFORD RAF UK                            [illegible]
                              LST TO UTC: - 0                                                MONTH: [illegible]
...................................................................................................
                                                      WIND SPEED IN KNOTS
  DIRECTION     1-4     5-9  10-14  15-19  20-24  25-29  30-34  35-39  40-44     -
  (DEGREES)
...................................................................................................
(N) 350-010     [illegible]  [illegible]  1.2  .4

    020-040     [illegible]  [illegible]  [illegible]  [illegible]

    050-070     [illegible]  [illegible]  [illegible]  .4   .1

(E) 080-100     [illegible]  [illegible]  [illegible]  [illegible]

    110-130     [illegible]  [illegible]  1.1  [illegible]

    140-160     [illegible]  1.4  [illegible]  .2   .2

(S) 170-190     [illegible]  [illegible]  [illegible]  [illegible]         .1

    200-220     [illegible]  [illegible]  [illegible]  [illegible]  [illegible]  [illegible]  [illegible]

    230-250     [illegible]  [illegible]  [illegible]  [illegible]  .2   [illegible]

(W) 260-280     [illegible]  [illegible]  [illegible]  [illegible]  [illegible]

    290-310     [illegible]  [illegible]  [illegible]  1.7  [illegible]

    320-340     [illegible]  4.1  [illegible]  [illegible]  .1

...................................................................................................
  VARIABLE               .1     .1            .1     .1     .1

  CALM          ////////////////////////////////////////////////////////////////////////////

  TOTALS        17.5  [illegible]  25.1  11.6   2.3    1.2    .2

                                    TOTAL NUMBER OF OBSERVATIONS    [illegible]
...................................................................................................
```

FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

: [illegible] PERIOD OF RECORD: JUL 73 - JUN [illegible]
: - [illegible] MONTH: JAN HOURS: 03-06

	WIND SPEED IN KNOTS									
	-1	2-24	25-29	30-34	35-39	40-49	50-64	65/UP	TOTAL %	MEAN WIND	MEDIAN WIND
	.0								4.5	5.3	4.0
	.0								4.5	6.1	7.0
	.0	.3							4.0	5.5	4.0
	1.0								4.5	10.2	7.0
	.0								4.4	7.1	6.0
	.0	.2							4.4	6.2	5.0
	.0		.1						7.0	7.6	7.0
	1.0	1.0	.0	.1					14.7	11.1	10.0
	.0	.2	.2						14.5	10.0	10.0
	.0	.2							4.7	11.1	11.0
	1.7	.0							10.0	9.5	10.0
	.0	.1							2.3	7.1	6.0
		.1	.1	.1					.0	25.7	24.0
	//								2.7	//////////////	
	3.0	2.3	1.2	.2					100.0	6.8	6.0

[illegible] OBSERVATIONS 23[illegible]

OPERATIONAL GLOBAL WAR PERCENTAGE FREQUENCY [illegible]
[illegible] [illegible]

STATION [illegible] : [illegible] STATION NAME: [illegible]
LAT LONG: [illegible]

	WIND SPEED (KNOTS)								
DIRECTION (DEGREES)	1-3	4-7	8-10	11-16	17-21	22-27	28-33	34-40	41-47
(0) [illegible]	[illegible]	[illegible]	[illegible]	.1					
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
[illegible]	[illegible]	[illegible]	1.7	.2	.1				
(1) [illegible]	[illegible]	1.7	[illegible]	[illegible]	.1				
[illegible]	[illegible]	1.7	[illegible]	[illegible]					
[illegible]	[illegible]	[illegible]	.1	[illegible]	[illegible]	.1			
(2) [illegible]	[illegible]	[illegible]	[illegible]	[illegible]	.1				
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]			
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		
(3) [illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]		
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]			
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]					
VARIABLE	.1		.1						
CALM	//								
TOTALS	[illegible]	[illegible]	24.	10.	[illegible]	1.1	[illegible]		

TOTAL NUMBER OF OBSERVATIONS [illegible]

FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
3-HOURLY OBSERVATIONS

[illegible] PERIOD OF RECORD: JUL 7[illegible] - JUN 8[illegible]
MONTH: JAN HOURS: 05-08

	WIND SPEED IN KNOTS									
	1-2	3-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	56-	TOTAL %	MEAN WIND	MEDIAN WIND
.1												3.4	5.2	5.0
.1	.0											4.3	7.3	6.0
.	.1											4.[illegible]	[illegible].2	[illegible].0
.	.1											5.5	7.5	[illegible].0
.0												[illegible]	7.[illegible]	[illegible].0
.	.1	.1										3.[illegible]	[illegible]	[illegible].0
.0	.1											7.4	7.4	7.[illegible]
.	.[illegible]	.										1[illegible].[illegible]	1[illegible].2	[illegible].0
.[illegible]	.	.1	.[illegible]									1[illegible].[illegible]	1[illegible].[illegible]	[illegible].0
.[illegible]	.[illegible]		.1									[illegible].4	1[illegible].[illegible]	12.[illegible]
.1		.1										[illegible].7	[illegible].7	1[illegible].0
.0												[illegible].4	7.[illegible]	[illegible].0
												.2	7.3	7.3
//												[illegible].7	//////////////	
.	[illegible].	1.1	.4									10[illegible].2	[illegible].[illegible]	[illegible].0

[illegible] OF OBSERVATIONS [illegible]

```
[illegible]                          [illegible] FREQUENCY [illegible]
[illegible]

STATI[illegible] : [illegible]       STATI[illegible] NAM[illegible] : [illegible]
                                     [illegible] : - [illegible]
.............................................................................................
                                                        [illegible]
   [illegible]        1-4     [illegible]  1?-14  1?-1   [illegible]-24  [illegible]
   ( [illegible]
.............................................................................................
( ) [illegible]       1.[illegible]  [illegible]   1.[illegible]   .1      .1

    [illegible]       1.[illegible]  [illegible]   .[illegible]    .[illegible]

    [illegible]       .       1.[illegible]  1.7     .1      .1

( ) [illegible]       .[illegible]   1.      1.[illegible]   .[illegible]    .1

    11-1[illegible]   1.[illegible]  1.[illegible]   .1      .       .[illegible]

    1[illegible]-1[illegible]  [illegible].   [illegible]   .[illegible]    .[illegible]

( ) 1[illegible]-1[illegible]  .[illegible]   [illegible]    1.      .[illegible]    .1

    [illegible]-2[illegible]   [illegible]    [illegible]    [illegible]    [illegible]    .[illegible]     .[illegible]     .1

    [illegible]       1.1     [illegible].7   .1      [illegible]    .[illegible]     .1

( ) [illegible]       .[illegible]   [illegible]    [illegible].     1.[illegible]    1.1     .[illegible]

    [illegible]       1.[illegible]  [illegible].    [illegible]    1.[illegible]    .[illegible]     .1

    [illegible]       1.[illegible]  .[illegible]    1.[illegible]   1.[illegible]    .

.............................................................................................
    [illegible]       .1      .[illegible]

    [illegible]   /////////////////////////////////////////////////////////////////////

    T[illegible]      1.[illegible]  [illegible].2   [illegible]   1[illegible]   [illegible]    1.[illegible]     .1

                                 T[illegible]AL [illegible] OF [illegible]
.............................................................................................
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FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
[illegible] HOURLY OBSERVATIONS

[illegible] PERIOD OF OBSERVATION: JUL 7[illegible] - JUN 7[illegible]
[illegible] MONTHS: JAN. HOURS: 00-11

	WIND SPEED IN KNOTS									
[illegible]	[illegible]-24	25-[illegible]	[illegible]-[illegible]	[illegible]-[illegible]	[illegible]-[illegible]	[illegible]-[illegible]	[illegible]-[illegible]	TOTAL	[illegible] WIND	[illegible] WIND
.1	.1							[illegible]	[illegible]	[illegible]
.								[illegible]	[illegible]	[illegible]
.1	.1							[illegible]	[illegible]	[illegible]
.	.1							[illegible]	[illegible]	[illegible]
[illegible]	[illegible]							[illegible]	[illegible]	[illegible]
.								[illegible]	[illegible]	[illegible]
.	.1							[illegible]	[illegible]	[illegible]
.	.7	[illegible]	[illegible]					[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	.1						[illegible]	[illegible]	[illegible]
.	[illegible]	[illegible]						[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	.1						[illegible]	[illegible]	[illegible]
[illegible]	[illegible]							[illegible]	[illegible]	[illegible]
								[illegible]	[illegible]	[illegible]
[illegible]								[illegible]	[illegible]	
[illegible]	[illegible]	[illegible]	[illegible]					[illegible]	[illegible]	[illegible]

[illegible] = [illegible] OBSERVATIONS [illegible]

```
[illegible]

...........................................................................
                                        [illegible]
   [illegible]      [illegible]   -   [illegible]  [illegible]  [illegible]  [illegible]  [illegible]  [illegible]  [illegible]  -
  (        )
...........................................................................
( ) [illegible]      .      1.     1.7     .
    [illegible]      .      1.     1.1     .
      [illegible]    .       .     1.      .               .
( )  [illegible]     1.     1.     1.      .       .
    11 -[illegible]  .       .      .              .
    [illegible]      .      .1      .      .
( ) [illegible]      .       .      .      .       .               .
    [illegible]      .       .      .     1.       .       .
    [illegible]      .       .      .1     .1     1.       .       .       .
( ) [illegible]      .      1.      .      .       .       .       .
    [illegible]      .       .      .      .       .       .
    [illegible]      .       .      .      .       .
...........................................................................
    [illegible]     .1       .      .      .
    [illegible]  ///////////////////////////////////////////////////////////
    [illegible]      .       .7     .      .      .1      1.       .      .
                         TOTAL [illegible]
...........................................................................
```

[illegible] FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
[illegible] DAILY [illegible] OBSERVATIONS

[illegible] : [illegible] YEARS [illegible] PERIOD OF RECORD: JUL 7[illegible] - JU[illegible]
[illegible] - [illegible] MONTH: JAN HOUR: 12-14

WIND SPEED IN KNOTS											
1-13	14-24	25-[illegible]	3[illegible]-[illegible]	[illegible]-[illegible]	[illegible]-[illegible]	[illegible]-[illegible]	[illegible]	TOTAL %	MEAN WIND	MEDIAN WIND
[illegible]								[illegible].1	[illegible]	[illegible]
[illegible]								4.4	[illegible].2	[illegible]
[illegible]		[illegible]						[illegible].4	[illegible].4	[illegible]
[illegible]	[illegible]							[illegible].1	[illegible]	[illegible]
	[illegible]							[illegible]	7.7	7.0
[illegible]								[illegible]	[illegible]	[illegible]
[illegible]	[illegible]		[illegible]					[illegible]	[illegible]	[illegible]
1.[illegible]	[illegible]	[illegible]						1[illegible].[illegible]	[illegible].7	[illegible]
[illegible].1	1.[illegible]	[illegible]	[illegible]	[illegible]				1[illegible].[illegible]	12.7	12.0
[illegible]	[illegible]	[illegible]	[illegible]					11.[illegible]	14.[illegible]	14.0
[illegible]	[illegible]	[illegible]						[illegible].4	12.1	12.[illegible]
[illegible]	[illegible]							11.1	[illegible]	[illegible]
[illegible]								1.[illegible]	10.5	10.5
//								[illegible].2	//////////////	
1[illegible].[illegible]	[illegible].1	1.[illegible]	[illegible]	[illegible]				1[illegible].[illegible]	1[illegible].3	1[illegible].0

[illegible] OBSERVATIONS [illegible]

OPERATIONAL CLIMATIC DATA PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE [illegible]
[illegible] MAIN FUEL [illegible]

STATION NUMBER: [illegible] STATION NAME: [illegible] [illegible]
LST [illegible]: [illegible] MONTH: [illegible]

[illegible] (C [illegible])	WIND SPEED [illegible] 1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-44	[illegible]
(N) [illegible]	1.3	1.1	1.1	.5		.1				
[illegible]	[illegible]	[illegible]	.4	.5	.1					
[illegible]	.	1.	1.7	.[illegible]						
(.) [illegible]	1.7	1.[illegible]	.	.5	.5					
[illegible]	1.[illegible]	1.[illegible]	.4	.1						
[illegible]	[illegible]	1.4	.[illegible]	.2						
(.) [illegible]	1.[illegible]	3.1	1.[illegible]	.4	.[illegible]					
[illegible]	[illegible]	[illegible]	[illegible]	1.1	.[illegible]	.[illegible]				
[illegible]	1.[illegible]	.3	[illegible]	3.2	1.3	.				
(.) [illegible]	.[illegible]	[illegible]	6.[illegible]	3.3	.[illegible]	.[illegible]	.1			
[illegible]	1.[illegible]	[illegible]	1.4	1.3	.	.1		.1		
[illegible]	1.	.3	1.7	.[illegible]						
VARIABLE		.3			.3					
[illegible]	//									
[illegible]	1[illegible].[illegible]	45.5	21.7	13.[illegible]	3.3	1.1	.1	.1		

TOTAL NUMBER OF OBSERVATIONS [illegible]

FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

[illegible] PERIOD OF RECORD: JUL 74 - DEC 85
MONTH: JAN HOURS: 16-17

WIND SPEED IN KNOTS -1	20-24	25-29	30-34	35-39	40-49	50-54	55-65	TOTAL %	MEAN WIND	MEDIAN WIND
[illegible]		.1						[illegible]	[illegible]	[illegible]
[illegible]	.1							[illegible]	7.0	[illegible]
[illegible]								[illegible]	[illegible]	[illegible]
[illegible]	.5							[illegible]	[illegible]	[illegible]
[illegible]								[illegible]	[illegible]	[illegible]
[illegible]								[illegible]	[illegible]	[illegible]
[illegible]	.2							[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	.2						[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]						[illegible]	11.6	11.0
[illegible]	[illegible]	[illegible]	.1					[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	.1		.1				[illegible]	[illegible]	[illegible]
[illegible]								[illegible]	7.7	[illegible]
	.2							.4	15.0	14.5
								[illegible]		
[illegible]	[illegible]	1.1	.1	.1				100.0	[illegible]	[illegible]

NUMBER OF OBSERVATIONS [illegible]

OPERATIONAL STATISTICS [illegible]
[illegible], [illegible]

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE [illegible]
FROM [illegible] TO [illegible]

STATION NUMBER: [illegible] STATION NAME: UPPER [illegible] AFB [illegible]
EST TO UTC: - [illegible] [illegible]

DIRECTION (TO)	WIND SPEED IN KNOTS 1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-44	[illegible]
(0) 330-[illegible]	1.[illegible]	.[illegible]	1.[illegible]	.[illegible]	.1					
[illegible]-34	1.[illegible]	[illegible]	1.[illegible]	.[illegible]	.1					
[illegible]-37	.[illegible]	1.7	1.[illegible]	.[illegible]						
(0) [illegible]-1[illegible]	1.1	1.[illegible]	1.[illegible]	1.1	.[illegible]					
11[illegible]-1[illegible]	1.[illegible]	1.[illegible]	1.[illegible]	.[illegible]	.1					
14[illegible]-1[illegible]	.[illegible]	[illegible]	1.1	.1	.1					
(0) 17[illegible]-1[illegible]	.[illegible]	[illegible]	1.[illegible]	.2						
[illegible]-2[illegible]	.[illegible]	[illegible]	3.[illegible]	1.7	.5	.1				
[illegible]-[illegible]	1.[illegible]	.3	[illegible]	2.4	.[illegible]	.1				
(0) 2[illegible]-2[illegible]	1.[illegible]	[illegible]	[illegible]	1.[illegible]	.5	.[illegible]				
2[illegible]-31	1.[illegible]	[illegible]	[illegible]	.[illegible]		.1				
[illegible]-[illegible]	.[illegible]	4.[illegible]	1.[illegible]	.[illegible]						
VARIABLE		.3		.3						
CALM	//									
TOTALS	[illegible]	35.1	24.[illegible]	15.[illegible]	2.[illegible]	.7				

TOTAL NUMBER OF OBSERVATIONS [illegible]

FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

[illegible] HEYFORD RAF UK PERIOD OF RECORD: JUL 7[illegible] - JUN [illegible]
MONTH: JAN HOURS: 13-20

	WIND SPEED IN KNOTS							TOTAL %	MEAN WIND	MEDIAN WIND
	20-24	25-29	30-34	35-39	40-49	50-54	55-65			
[illegible]	.1							4.7	6.3	6.0
[illegible]	.1							5.2	7.9	6.0
[illegible]								5.3	3.3	7.0
[illegible]	.2							4.3	10.3	10.5
[illegible]	.1							4.5	7.1	6.5
[illegible]	.1							4.7	6.5	5.0
[illegible]								3.3	6.6	4.0
[illegible]	.5	.1						14.5	9.9	8.0
[illegible]	.3	.1						16.1	9.9	9.0
[illegible]	.5	.4						11.3	11.7	12.0
[illegible]		.1						7.7	9.0	8.0
[illegible]								7.5	7.1	7.0
[illegible]								.5	13.5	13.5
//////////								5.2	//////////	
[illegible]	2.0	.7						100.0	8.4	8.0

[illegible] OF OBSERVATIONS 430

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE, NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND VECTORS
FROM HOURLY OBSERVATIONS

STATION NUMBER: [illegible] STATION NAME: UPPER HEYFORD [illegible]
EST TO UTC: [illegible]

DIRECTION (TRUE)	WIND SPEED IN KNOTS 1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-[illegible]
(N) 350-01	1.3	1.3	1.7	.2						
02-09	1.[illegible]	1.9	.[illegible]	.9	.1					
10-17	1.7	2.2	1.7	.3	.3					
(E) 18-25	1.1	1.4	1.0	1.0						
26-33	1.1	.9	.5	.3						
34-41	[illegible]	1.2	1.0	.2						
(S) 42-49	[illegible]	3.1	1.4	.4						
50-57	4.[illegible]	5.3	3.[illegible]	1.3	.3					
58-65	1.4	[illegible]	[illegible]	2.[illegible]	.[illegible]	.6	.1			
(W) 66-73	1.[illegible]	3.[illegible]	4.1	1.2	.4	.4				
74-81	.[illegible]	3.4	1.[illegible]	1.1	.1					
82-89	2.[illegible]	4.2	1.3	.2		.1				
VARIABLE			.4	.1	.2					
CALM	//									
TOTALS	31.	45.5	27.0	9.7	2.3	.6	.1			

TOTAL NUMBER OF OBSERVATIONS 924

[illegible]CY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
[illegible] HOURLY OBSERVATIONS

[illegible] RAF UK PERIOD OF RECORD: JUL 79 - JUN 84
MONTH: JAN HOURS: 21-23

SPEED IN KNOTS [illegible]	25-29	30-34	35-39	40-49	50-64	65	TOTAL %	MEAN WIND	MEDIAN WIND
							4.3	8.0	6.5
[illegible]							5.3	6.0	6.0
[illegible]							6.2	6.3	7.0
[illegible]							4.5	8.1	7.0
[illegible]							3.1	6.1	7.0
[illegible]							5.4	5.[illegible]	4.0
[illegible]							7.2	7.0	7.0
[illegible]							15.7	8.6	7.5
[illegible]	.4	.1					15.5	10.5	10.0
[illegible]	.[illegible]						11.1	10.6	10.0
[illegible]							7.2	8.4	9.0
[illegible]	.1						7.4	9.7	8.0
[illegible]							.3	16.0	13.0
//////////							4.5	//////////	
[illegible]	.5	.1					100.0	8.5	8.0

OBSERVATIONS 929

OPERATING LOCATION: NAW
OCEANTAG, ASW WELL [illegible]

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND [illegible]
FROM HOURLY [illegible] OBSERVATIONS

STATION NUMBER: [illegible] STATION NAME: UPPER [illegible] [illegible]
LST [illegible]: - 0

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-6	7-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-
(N) 350-010	1.4	1.[illegible]	1.8	.2	.6	.0				
[illegible]	1.[illegible]	2.2	.[illegible]	.7	.1					
020-037	1.[illegible]	2.0	1.7	.4	.1	.1				
(E) [illegible]	1.[illegible]	1.[illegible]	1.1	.9	.2					
110-1[illegible]	1.[illegible]	1.[illegible]	.7	.3	.1					
1[illegible]-1[illegible]	2.1	1.[illegible]	.7	.2	.1	.[illegible]				
(S) 170-1[illegible]	[illegible]	3.2	1.7	.[illegible]	.1	.[illegible]	.			
[illegible]	2.7	[illegible]	[illegible]	1.7	.[illegible]	.3	.			
2[illegible]-2[illegible]	1.4	5.[illegible]	[illegible]	2.[illegible]	.7	.1	.1	.[illegible]		
(W) [illegible]	.	2.[illegible]	[illegible]	2.1	.[illegible]	.3	.1			
[illegible]-31[illegible]	1.4	2.3	[illegible]	1.4	.3	.1		.		
3[illegible]-3[illegible]	[illegible]	4.4	1.[illegible]	.[illegible]	.1	.[illegible]				
VARIABLE	.1	.2	.2	.1	.1	.[illegible]	.			
CALM	//									
TOTALS	1[illegible].1	3[illegible]	2[illegible]	11.[illegible]	[illegible].1	.9	.2			

TOTAL NUMBER OF OBSERVATIONS [illegible]

[illegible]QUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

[illegible] RAF UK PERIOD OF RECORD: JUL 78 - JUN 84
MONTH: JAN HOURS: ALL

SPEED IN KNOTS								
[illegible]	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
[illegible]	.0					4.6	7.8	7.0
[illegible]						5.3	7.6	6.0
[illegible]	.1					5.3	8.9	8.0
[illegible]						4.9	7.4	7.0
[illegible]						3.9	7.4	6.0
[illegible]	.0					4.9	6.4	5.0
[illegible]	[illegible]	.				7.5	7.9	7.0
[illegible]	.1	.0				14.9	9.7	9.0
[illegible]	.1	.1	.0			15.7	10.7	10.0
[illegible]	.3	.1				10.5	12.2	12.0
[illegible]	.1		.0			[illegible]	10.2	10.0
[illegible]	.1					9.6	7.4	7.0
[illegible]	.0	.0				.5	12.0	12.0
//////////	//////////	//////////	//////////	//////////	//////////	4.0	//////////	//////////
[illegible]	.0	.0				100.0	9.0	9.0

OBS - VARIES 7436

OPERATING LOCATION WAW PERCENTAGE FREQUENCY OF [illegible]
USAFETAC, ASHEVILLE, NC FROM [illegible]

STATION NUMBER: [illegible] STATION NAME: [illegible]
LAT/LONG: [illegible] ELEV: [illegible]

CATEGORY A: CEILING [illegible] FEET BUT LESS THAN [illegible] FEET WITH VISIBILITY [illegible] MILE
[illegible]
VISIBILITY [illegible] 1/2 MILE ([illegible]) BUT LESS THAN 1 MILE ([illegible])

	WIND SPEED IN KNOTS									
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
(DIRECTION)										
(N) [illegible]	1.	1.[illegible]	1.[illegible]	.3	.1					
[illegible]	[illegible]	1.[illegible]	1.[illegible]	1.[illegible]	.[illegible]					
[illegible]	.3	[illegible]	[illegible]	.[illegible]	.[illegible]	.2				
(.) [illegible]	1.7	[illegible]	[illegible]	[illegible]	.[illegible]					
[illegible]	[illegible]	1.4	1.[illegible]	.7	.1					
[illegible]	[illegible]	[illegible]	1.[illegible]	.[illegible]	.2	.1				
(S) [illegible]	[illegible]	.7	[illegible]	.[illegible]	.2					
[illegible]	[illegible]	.[illegible]	[illegible]	[illegible]	[illegible]	.7	.1			
[illegible]	1.1	1.[illegible]	[illegible]	[illegible]	.[illegible]					
(.) [illegible]	.3	.7	.2							
[illegible]	1.[illegible]	[illegible]	.	.1						
[illegible]	[illegible]	[illegible]	.7	.1	.1	.1				
VARIABLE										
CALM	//									
TOTALS	19.7	35.[illegible]	25.1	12.4	3.2	1.1	.1			

TOTAL NUMBER OF OBSERVATIONS [illegible]

FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

[illegible] HEY-ORD [illegible]UK PERIOD OF RECORD: JUL 7[illegible] - JUN 8[illegible]
MONTH: JAN HOURS: ALL

[illegible] FEET WITH VISIBILITY GE 1/2 MILE (0[illegible] METERS).

[illegible] NOT LESS THAN 3 MILES (4[illegible] METERS) WITH CEILING GE 200 FEET.

WIND SPEED IN KNOTS 1-3	4-24	25-29	30-34	35-39	40-49	50-54	GE 55	TOTAL %	MEAN WIND	MEDIAN WIND
.1								5.2	7.7	6.0
.3								5.3	5.5	5.0
.4	.2							7.5	10.4	10.0
.4								8.[illegible]	10.[illegible]	11.0
.1								4.5	7.7	7.0
.2	.1							7.5	9.1	7.0
.2								11.5	9.2	8.0
1.[illegible]	.7	.1						1[illegible].[illegible]	11.1	1[illegible].0
.4								9.1	11.7	12.0
								1.1	5.4	7.0
								3.3	7.[illegible]	7.0
.1	.1							3.5	6.9	6.0
//								4.0	//////////////	
3.2	1.1	.1						100.0	9.0	8.0

[illegible] OBSERVATIONS 1[illegible]

OPERATING LOCATION: [illegible] PERCENTAGE FREQUENCY OF OCCURRENCE [illegible]
[illegible] FROM [illegible]

STATION NUMBER: [illegible] STATION NAME: [illegible]
LST TIME: [illegible]

[illegible] (KNOTS)	WIND SPEED IN KNOTS 1-4	[illegible]	13-18	19-12	23-26	28-[illegible]	3[illegible]-3[illegible]	[illegible]	[illegible]
(.) [illegible]	.[illegible]	[illegible]	.[illegible]	.5					
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	.1				
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
(.) [illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	.1			
[illegible]	[illegible]	[illegible]	[illegible]	.1					
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	.1				
(.) [illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
(.) [illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	.1			
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]					
VARIABLE						.1			
CALM	//								
TOTALS	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	.7			

TOTAL NUMBER OF OBSERVATIONS [illegible]

FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

[illegible] PERIOD OF RECORD: JUL 7[illegible] - JUN [illegible]
MONTH: FEB HOURS: 00-02

WIND SPEED IN KNOTS							TOTAL %	MEAN WIND	MEDIAN WIND
[illegible]	20-24	25-29	30-34	35-39	40-44	45-49			
.							5.2	7.0	6.0
.	.1						10.0	6.1	7.0
.	.0						1[illegible].[illegible]	6.0	6.0
.	.0	.1					1[illegible].1	.	[illegible].0
.							3.0	7.5	7.0
.	.0						5.7	[illegible].3	5.0
.	.0						[illegible].[illegible]	[illegible].3	7.0
.1	.0						11.0	[illegible].4	7.[illegible]
.	.0	.0					[illegible].1	11.1	11.0
.	.	.1					[illegible].1	[illegible]	[illegible]
.	.0						[illegible].1	[illegible]	[illegible]
.							[illegible].7	7.0	[illegible]
		.1					.1	[illegible]	25.0
//							[illegible].4	//////////////	
.	.	.7					1[illegible].0	[illegible]	7.0

[illegible] OF OBSERVATIONS [illegible]

[illegible]
[illegible]

PERCENTAGE FREQUENCY OF [illegible]

STATION [illegible] : [illegible] STATION NAME: [illegible]

[illegible] TO: - [illegible]

[illegible] ([illegible])	1-	-	-1	-1	-2	[illegible]	[illegible]	[illegible]	[illegible]
( ) -	1.	.	1.1	.7	.1				
-	.	4.7	1.	.4	.4				
-	.	.	.	1.	.	.			
( ) -1	.1	.1	.	.	.1				
11 -1	.	1.	.	.1					
1 -1	.	.	.7						
( ) 1 -1	.	1.	.	.4	.1				
-	.	.	.	.	.				
-	.	.	.	.	.7				
( ) -	1.	.	.	1.	.	.			
-	.	.	1.	.	.				
-	.	.1	1.	.4	.1				
[illegible]			.	.1					
[illegible]	//////	//////	//////	//////	//////	//////	//////	//////	//////
T [illegible]	.1	.	23.7	7.1	.9	.			

TOTAL [illegible] .

[illegible] FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
[illegible] ONLY [illegible]

[illegible] PERIOD OF RECORD: JUL 7[illegible] - JUN [illegible]
MONTH: FEB HOURS: 03-05

	WIND SPEED IN KNOTS									
[illegible]	[illegible]-[illegible]	[illegible]-[illegible]	[illegible]-[illegible]	[illegible]-[illegible]	[illegible]-[illegible]	[illegible]-[illegible]	[illegible]-[illegible]	TOTAL %	MEAN WIND	MEDIAN WIND
[illegible]	.1							5.5	5.1	7.0
[illegible]	[illegible]							9.5	7.7	7.0
1.[illegible]	[illegible]	.1						13.5	10.5	11.0
[illegible]	.1							10.7	[illegible]	[illegible]
.1								4.7	5.3	5.0
								5.4	[illegible]	5.5
[illegible]	.1							[illegible]	[illegible]	[illegible]
[illegible]	[illegible]							[illegible]	7.5	[illegible]
[illegible]	.7							[illegible]	1[illegible].3	1[illegible].0
[illegible]	[illegible]	[illegible]						[illegible]	1[illegible].3	[illegible]
[illegible]	[illegible]							[illegible]	[illegible]	[illegible]
[illegible]	.1							7.4	5.3	6.0
.1								.5	11.5	1[illegible].0
//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	[illegible].1	//////////	//////////
[illegible].1	[illegible]	[illegible]						1[illegible].[illegible]	7.9	-

[illegible] OBS WITHOUT [illegible]

[illegible] PERCENTAGE FREQUENCY OF OCCURRENCE BY [illegible]
[illegible], [illegible] FROM HOURLY OBS [illegible]

STATION [illegible] : [illegible] STATION NAME: [illegible] [illegible] [illegible]
LST [illegible]: - 0 MONTH: [illegible]

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-4	[illegible]	11-16	17-19	20-24	25-[illegible]	33-[illegible]	[illegible]	[illegible]	[illegible]
(0) [illegible]	[illegible]	[illegible]	1.[illegible]	.5	.2					
[illegible]	[illegible]	[illegible]	1.[illegible]	.7						
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	.1	.1				
(0) [illegible]	[illegible]	[illegible]	[illegible]	[illegible]						
[illegible]	[illegible]	[illegible]	.[illegible]							
[illegible]	[illegible]	[illegible]	1.1							
(0) [illegible]	[illegible]	[illegible]	[illegible]							
[illegible]	[illegible]	[illegible]	3.1	.4						
[illegible]	[illegible]	[illegible]	1.[illegible]	[illegible]	.[illegible]					
(0) [illegible]	[illegible]	[illegible]	1.[illegible]	.2	.7					
[illegible]	[illegible]	[illegible]	1.1	.[illegible]						
[illegible]	[illegible]	[illegible]	.[illegible]	.4	.1					
[illegible]		.1		.2	.1					
TOTAL										
TOTALS	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	.1				

TOTAL NUMBER OF OBSERVATIONS [illegible]

FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

[illegible] AFB OK PERIOD OF RECORD: JUL 7[illegible] - JUN 8[illegible]
MONTH: FEB HOURS: 06-08

WIND SPEED IN KNOTS							TOTAL %	MEAN WIND	MEDIAN WIND
21-24	25-28	29-32	33-36	37-40	41-44	45-65			
.2							3.4	7.5	6.0
							2.4	7.6	7.0
.1	.1						14.7	10.3	10.0
							9.2	8.4	7.0
							4.5	5.0	6.0
							5.7	5.9	5.0
							5.4	7.5	8.0
							3.3	8.2	8.0
.4							5.5	9.7	[illegible].0
.7							5.2	1[illegible].4	9.0
							4.3	7.3	7.0
.1							7.3	5.9	5.0
.1							.5	15.3	13.0
//////////							5.7	//////////	
1.5	.1						100.0	7.9	6.0

[illegible] OF OBSERVATIONS 242

OPERATING LOCATION "A" PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND
USAFTAC, ASHEVILLE NC FROM HOURLY OBSERVATIONS

STATION NUMBER : [illegible] STATION NAME: [illegible] YEARS [illegible] DATE
LAT LONG: - [illegible] PERIOD:

DIRECTION (TO)	WIND SPEED IN KNOTS 1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-43
(N) [illegible]	1.1	2.9	3.1	.5	.1				
[illegible]	[illegible]	3.1	1.[illegible]	.1	.4				
[illegible]	.	[illegible]	[illegible].1	3.2	.4				
(E) [illegible]	1.3	4.1	4.2	2.1	.1				
110-1[illegible]	1.[illegible]	[illegible]	.[illegible]	.2					
14[illegible]-1[illegible]	[illegible].1	[illegible]	.7						
(S) 17[illegible]-1[illegible]	[illegible]	1.[illegible]	[illegible].1	.[illegible]	.4				
[illegible]	[illegible]	[illegible]	3.[illegible]	1.1	.2				
[illegible]	1.	[illegible]	[illegible]	1.[illegible]	.4				
(W) [illegible]	.	1.[illegible]	2.1	.[illegible]	1.1	.1			
[illegible]	.[illegible]	[illegible]	.[illegible]	.[illegible]	.1	.[illegible]			
[illegible]	[illegible]	[illegible].7	1.	.[illegible]	.[illegible]				
VARIABLE		.[illegible]	.[illegible]	.4	.1				
CALM	//								
TOTAL	1[illegible].1	[illegible]	[illegible]	11.[illegible]	3.[illegible]	.[illegible]			

TOTAL NUMBER OF OBSERVATIONS [illegible]

RELATIVE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

: UPPER HEYFORD RAF UK PERIOD OF RECORD: JUL 73 - JUN 83
- 2 MONTH: FEB HOURS: 09-11

WIND SPEED IN KNOTS -19	20-24	25-29	30-34	35-39	40-49	50-64	65-65	TOTAL %	MEAN WIND	MEDIAN WIND
.2	.1							7.9	9.2	9.0
.1	.4							6.7	8.0	8.0
.2	.4							13.1	10.9	10.0
.1	.1							11.9	10.2	10.0
.2								6.9	6.9	6.0
								5.3	6.1	6.0
.2	.4							9.4	7.6	6.0
.1	.2							9.3	9.7	10.0
.1	.4							7.[illegible]	11.0	11.0
.2	1.1	.1						5.7	11.[illegible]	11.0
.2	.1	.2						3.9	13.2	9.0
.2	.3							7.4	8.[illegible]	8.0
.4	.1							1.6	11.8	10.0
//								4.4	////////////	
1.2	3.6	.3						100.0	9.0	8.0

NUMBER OF OBSERVATIONS 849

OPERATIONS LOCATION MAP
USAFETAC, ATCHVILLE, OC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND
FROM HOURLY OBSERVATIONS

STATION NUMBER: [illegible] STATION NAME: [illegible] AFB [illegible]
LST TO UTC: - 0

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-47
(N) [illegible]	.4	[illegible]	1.3	1.3	.1				
[illegible]	.3	2.3	2.[illegible]	.1	.4				
[illegible]	.	3.3	[illegible]	3.1	.1				
(E) [illegible]	.7	4.2	3.3	2.1	.3				
[illegible]	1.3	3.1	2.1	1.1					
[illegible]	1.	3.4	1.1						
(S) [illegible]	1.4	2.7	2.[illegible]	.[illegible]	.4				
[illegible]	1.3	3.4	2.[illegible]	1.3	.3	.1			
[illegible]	.3	1.4	3.7	1.3	.7				
(W) [illegible]	.7	1.4	2.4	1.[illegible]	.5	.4			
[illegible]	.3	.[illegible]	1.1	1.3	.1	.1			
[illegible]	.	2.3	3.1	.5	.4				
VARIABLE		.7	.[illegible]	.5	.4				
CALM	//////////								
TOTALS	11.3	33.4	32.3	16.0	4.2	.7			

TOTAL NUMBER OF OBSERVATIONS [illegible]

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NAME: [illegible] ABYEDO [illegible] PERIOD OF RECORD: JUL 7[illegible] - JU[illegible]
LAT: - 0 MONTH: FEB HOURS: 12-14

	WIND SPEED IN KNOTS										
-1[illegible]	1[illegible]-1[illegible]	2[illegible]-24	25-29	30-34	35-39	40-44	45-54	55-65	TOTAL %	MEAN WIND	MEDIAN WIND
[illegible]	1.3	.1							7.4	9.9	9.0
[illegible]	.1	.4							5.9	9.2	9.0
.	3.1	.1							13.1	11.5	12.0
.	3.1	.5							10.4	11.1	10.0
.1	1.1								7.2	[illegible].8	9.0
[illegible]									5.4	6.5	7.0
.	.[illegible]	.4							7.9	9.4	9.0
.	1.5	.9	.[illegible]						[illegible].5	10.5	10.0
.7	1.6	.7							[illegible].7	11.7	12.0
.[illegible]	1.9	.5	.4						6.9	12.4	12.5
[illegible]	1.5	.1	.1						[illegible].1	12.3	14.0
.1	.5	.4							[illegible].5	9.3	[illegible].0
.	.5	.4							2.5	13.0	12.0
//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	1.9	//////////	//////////
.[illegible]	1[illegible].0	4.2	.7						100.0	10.2	10.0

TOTAL NUMBER OF OBSERVATIONS [illegible]49

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OPERATING LOCATION "A"          PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND
USAFETAC, ASHEVILLE  NC                          FROM HOURLY OBSERVATIONS

STATION NUMBER:  [illegible]   STATION NAME: UPPER HEYFORD RAF UK                PERIOD
                               LST TO UTC: + 0                                   MONTH:
..........................................................................................
                                                WIND SPEED IN KNOTS
  DIRECTION       1-4     5-9   10-14  15-19  20-24  25-29  30-34  35-39  40-44
  (DEGREES)
..........................................................................................
(N) 350-010       1.1     3.5     1.4     .3

    020-040        .5     4.6     3.1     .9     .2

    050-070       1.[illegible]     3.7     5.0     2.7     .4

(E) 080-100       1.[illegible]     3.[illegible]     3.5     1.6

    110-130       [illegible]     3.1     1.5     .1

    140-160       1.[illegible]     3.[illegible]     1.1     .4

(S) 170-190       1.4     4.3     1.[illegible]     .7     .2

    200-220       1.[illegible]     2.[illegible]     3.1     1.4     .2     .2

    230-250       1.1     2.5     2.4     1.5     .4     .1

(W) 260-280        .5     2.[illegible]     3.1     1.4            .2

    290-310        .6     1.[illegible]     1.1     .[illegible]     .4     .1

    320-340       1.1     1.5     1.3     .3     .2

..........................................................................................
  VARIABLE                 .1      .5      .6

  CALM        ////////////////////////////////////////////////////////////////////////////

  TOTALS         14.3    36.2    30.[illegible]    13.6     2.[illegible]      .[illegible]

                                   TOTAL NUMBER OF OBSERVATIONS    [illegible]
..........................................................................................
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PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NAME: UPPER HEYFORD RAF UK PERIOD OF RECORD: JUL 74 - JUN 84
LAT/LONG: - 0 MONTH: FEB HOURS: 15-17

WIND SPEED IN KNOTS											
1-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
1.4	.3								5.7	7.5	5.0
.1	.8	.2							9.4	9.6	9.0
.5	2.7	.4							14.8	10.6	11.0
.5	1.6								10.1	9.3	10.0
1.5	.1								5.7	5.8	7.0
1.1	.4								5.9	7.4	7.0
1.	.7	.2							7.5	8.3	8.0
.1	1.4	.2	.2						9.1	10.3	10.0
.4	1.0	.4	.1						7.0	10.5	11.0
.1	1.4		.2						7.9	11.0	11.0
1.1	.6	.4	.1						4.7	10.4	9.0
1.4	.7	.2							5.1	9.7	9.0
.	.5								1.1	14.1	14.0
//////////									3.3	//////////	
.0	13.0	2.0	.0						100.0	9.3	9.0

TOTAL NUMBER OF OBSERVATIONS 949

OPERATING LOCATION NAME: [illegible]
[illegible], [illegible]

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND
FROM [illegible] [illegible]

STATION ID NO: [illegible] STATION NAME: [illegible] [illegible]
EST TO UTC: - 0

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-6	7-9	10-14	15-19	20-24	25-29	30-34	35-39	40-44
(N) 350-010	.1	3.[illegible]	.[illegible]	.5	.1				
020-040	1.[illegible]	4.2	2.[illegible]	1.2					
[illegible]	.1	4.[illegible]	3.[illegible]	2.4	.1				
(E) [illegible]	2.[illegible]	4.[illegible]	3.2	1.4					
110-130	[illegible]	2.[illegible]	1.[illegible]	.4	.1				
140-160	.1	1.[illegible]	.[illegible]	.1					
(S) 170-190	1.1	2.[illegible]	2.[illegible]	.2	.4				
200-220	[illegible]	3.3	2.[illegible]	1.1	.4				
230-250	1.[illegible]	[illegible]	[illegible]	.3	.7				
(W) [illegible]	[illegible]	[illegible]	1.[illegible]	.2	.4				
290-310	1.[illegible]	1.5	1.[illegible]	.4					
[illegible]	.1	1.[illegible]	1.1	.[illegible]					
VARIABLE				.4		.1			
CALM	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////
TOTALS	22.4	3[illegible].7	28.3	10.1	2.2	.1			

TOTAL NUMBER OF OBSERVATIONS [illegible]

RELATIVE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

[illegible] : [illegible] HAYFORD RAF UK PERIOD OF RECORD: JUL 7 - JUL [illegible]
[illegible] - [illegible] MONTH: FEB HOURS: 13-23

	WIND SPEED IN KNOTS								TOTAL %	MEAN WIND	MEDIAN WIND
	-10	20-24	25-29	30-34	35-39	40-49	50-54	55-65			
[illegible]	.5	.1							7.4	7.9	6.0
[illegible]	1.2								9.3	6.4	8.0
[illegible]	2.4	.1							13.7	10.3	11.0
[illegible]	1.4								11.9	8.5	8.0
[illegible]	.4	.1							6.9	7.4	6.0
[illegible]	.1								6.1	6.0	6.0
[illegible]	.2	.4							6.9	9.3	6.0
[illegible]	1.1	.4							12.6	8.4	7.0
[illegible]	.3	.7							[illegible]	10.2	9.0
[illegible]	.2	.4							5.7	6.4	6.0
[illegible]	.4								5.2	6.4	6.0
[illegible]	.5								5.7	7.6	6.0
	.4		.1						.5	18.3	16.5
									4.9		
	12.1	2.2	.1						100.0	8.2	8.0

TOTAL NUMBER OF OBSERVATIONS 842

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OPERATING LOCATION [illegible]         PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WI
[illegible], ASHEVILLE NC                                 [illegible]

STATION NUMBER : [illegible]    STATION NAME : [illegible]                     [illegible]
                                LST TO GMT: - [illegible]                       [illegible]
..........................................................................................
                                                      WIND SPEED IN KNOTS
   DIRECTION        [illegible]  [illegible]  10-14  15-19  20-24  25-29  [illegible]  [illegible]  [illegible]
   (DEGREES)
..........................................................................................
(N) [illegible]      1.    [illegible]  1.[illegible]   .8

    [illegible]      1.[illegible]  4.[illegible]  2.1   .[illegible]

    [illegible]       .    4.[illegible]  [illegible]   [illegible]   .1

( ) [illegible]      1.[illegible]  [illegible]  [illegible]  1.[illegible]

    11[illegible]    1.[illegible]  [illegible]   .[illegible]   .2    .2

    [illegible]       .[illegible]  [illegible]   .[illegible]   .1

(S) 17[illegible]    1.[illegible]   .[illegible]  2.7   .4    .[illegible]

    [illegible]      [illegible]  3.[illegible]  2.[illegible]  1.[illegible]   .4    .1

    [illegible]      1.[illegible]  [illegible]   .[illegible]  1.[illegible]   .     .1

(W) [illegible]       .[illegible]  2.[illegible]   .     .[illegible]   .4    .[illegible]

    [illegible]      [illegible]  1.[illegible]  [illegible]   .4

    [illegible]      [illegible]  [illegible]   .[illegible]   .[illegible]

..........................................................................................
   VARIABLE                               .1

   CALM        ///////////////////////////////////////////////////////////////////////////

   TOTALS        [illegible]  3[illegible].1  24.1  [illegible]  1.7   .4

                             TOTAL NUMBER OF OBSERVATIONS   [illegible]
..........................................................................................
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[illegible] FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM [illegible] STATION

[illegible] : [illegible] YEARS [illegible] PERIOD OF RECORD: JUL 7[illegible] - JUN [illegible]
[illegible] MONTH: FEB HOURS: 21-23

	WIND SPEED IN KNOTS										
	1-13	14-24	25-27	28-34	35-39	40-48	49-64	OR 65	TOTAL %	MEAN WIND	MEDIAN WIND
	.5								.5	7.1	5.0
	.2								.2	[illegible]	3.0
	9.1	.1							10.4	[illegible]	10.0
	1.5								10.0	[illegible]	[illegible]
	.2	.2							[illegible]	7.[illegible]	7.0
	.1								[illegible]	[illegible]	[illegible]
	.4	.2							7.4	[illegible]	[illegible]
	1.2	.4	.1						[illegible]	[illegible]	7.5
	1.0	.4	.1						[illegible]	[illegible]	10.0
	.5	.4	.2						[illegible]	3.7	7.[illegible]
	.4								4.7	[illegible]	[illegible]
	.								[illegible]	[illegible]	[illegible]
	.1								.1	17.0	17.0
	//////////								[illegible]	//////////	
	[illegible]	1.7	.4						100.0	[illegible]	[illegible]

TOTAL NUMBER OF OBSERVATIONS 640

[illegible]

[illegible]

STATION NAME: [illegible] STATION NAME: [illegible]
LIMITATIONS: - 0

	WIND SPEED IN KNOTS									
[illegible]	1-3	4-7	8-12	13-18	19-24	25-31	32-38	39-46	47-54	[illegible]
(=[illegible])										
(S) [illegible]-1[illegible]	1.[illegible]	3.[illegible]	1.4	.7	.1					
[illegible]-[illegible]	[illegible]	4.1	[illegible]	[illegible]	[illegible]					
[illegible]-[illegible]	1.[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
(T) [illegible]-1[illegible]	1.[illegible]	[illegible]	3.1	1.4	.1	.				
11-1[illegible]	[illegible]	[illegible]	1.1	[illegible]	[illegible]					
1[illegible]-1[illegible]	.	[illegible]	.	.1	.					
(U) 17-1[illegible]	[illegible]	[illegible]	[illegible]	.4	.3					
[illegible]-[illegible]	.	[illegible]	.7	1.[illegible]	[illegible]	[illegible]				
[illegible]-[illegible]	1.[illegible]	[illegible]	[illegible]	1.4	[illegible]	[illegible]				
(V) [illegible]-[illegible]	[illegible]	[illegible]	1.7	[illegible]	[illegible]	[illegible]				
[illegible]-[illegible]	1.1	1.[illegible]	1.[illegible]	[illegible]	.1	.1				
[illegible]-[illegible]	1.[illegible]	[illegible]	1.[illegible]	[illegible]	[illegible]					
[illegible]	[illegible]	.7	.7	.1	.2					
[illegible]	[illegible]									
TOTAL	1[illegible].[illegible]	[illegible]	[illegible]	1[illegible].[illegible]	[illegible].7	.5				

TOTAL NUMBER OF OBSERVATIONS [illegible]

[illegible] FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

[illegible] 4-YEAR SAMPLE PERIOD OF RECORD: JUL 7[illegible] - JUN [illegible]
[illegible] MONTH: FEB HOURS: ALL

DIR	WIND SPEED IN KNOTS 20-24	25-29	30-34	35-39	40-49	50-64	OR 65	TOTAL %	MEAN WIND	MEDIAN WIND
[illegible]	[illegible]							7.1	[illegible].1	7.0
[illegible]	[illegible]							[illegible].4	[illegible].4	[illegible].0
[illegible]	[illegible]	[illegible]						14.3	13.3	13.0
[illegible]	.1	[illegible]						13.7	[illegible].3	9.0
[illegible]	[illegible]							[illegible]	7.2	[illegible].0
[illegible]	[illegible]							[illegible]	[illegible].3	[illegible].0
[illegible]	.3							7.2	[illegible].5	8.0
[illegible]	[illegible]	.1						[illegible].7	[illegible]	[illegible].0
[illegible]	[illegible]	.1						[illegible].5	13.0	10.0
[illegible]	[illegible]	.2						[illegible]	13.6	10.0
[illegible]	.1	.1						4.7	[illegible]	[illegible].0
[illegible]	[illegible]							[illegible]	7.[illegible]	[illegible].0
[illegible]	.1	.0						[illegible]	13.6	12.0
//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	4.7	//////////	//////////
[illegible]	[illegible].7	[illegible]						100.0	[illegible].6	8.0

[illegible] OF OBSERVATIONS [illegible]742

OPERATING LOCATION: NAW
JACKSONVILLE, NORTH CAROLINA

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND
FROM HOURLY OBSERVATIONS

STATION NUMBER: [illegible] STATION NAME: UPPER HOYT-[illegible] AFB [illegible]
LST TO UTC: - 0

CEILING A: CEILING OF 200 FEET BUT LESS THAN 1500 FEET WITH VISIBILITY OF 1/2 MILE AND/OR
VISIBILITY OF 1/2 MILE (800 METERS) BUT LESS THAN 3 MILES (4.8 [illegible]

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-4	5-7	10-14	15-19	20-24	25-29	30-34	35-39	40-44
(N) 350-010	1.4	3.4	1.3	.6					
020-040	1.1	4.3	2.7	1.0	.0				
050-080	.7	.3	.1	2.0	.3				
(E) 080-110	1.5	.0	4.1	1.0					
110-140	.0	.7	1.	.2					
140-170	2.0	2.7	1.3	.4	.1				
(S) 170-200	.3	2.7	4.0	.4	.3				
200-230	.3	3.	4.7	1.3	.2				
230-260	.0	1.1	1.	.0	.3				
(W) 260-290	.7	.1		.1					
290-320	.0	.3	.2	.2					
320-350	.0	1.9	.0	.4					
VARIABLE									
CALM	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////
TOTALS	20.1	34.4	23.2	9.6	1.5				

TOTAL NUMBER OF OBSERVATIONS 1273

FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

: UPPER HEYFORD RAF UK PERIOD OF RECORD: JUL 74 - JUN 84
- MONTH: FEB HOURS: ALL

(1500 FEET WITH VISIBILITY OF 1/2 MILE (0800 METERS).
METERS) BUT LESS THAN 3 MILES (4800 METERS) WITH CEILING OF 200 FEET.

	WIND SPEED IN KNOTS									
	20-24	25-29	30-34	35-39	40-44	45-54	55-69	TOTAL %	MEAN WIND	MEDIAN WIND
								5.5	7.9	8.0
	.0							10.2	10.3	9.0
	.3							15.1	10.0	10.0
								13.1	8.1	9.0
								5.3	6.5	6.0
	.1							7.7	5.5	5.0
	.3							9.3	9.0	9.0
	.2							10.4	9.5	10.0
	.3							4.9	10.7	12.0
.1								.9	4.2	4.0
								1.4	5.1	4.0
								5.1	5.3	5.5
//////////								6.2	//////////	
	1.8							100.0	8.2	8.0

NUMBER OF OBSERVATIONS 1973

OPERATING LOCATION MAP
DRAFTING, ASHVILL NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND
FROM HOURLY OBSERVATIONS

STATION NUMBER: 3[illegible]3 STATION NAME: UPPER HEYFORD [illegible] PERIOD
LST TO UTC: - 0 MONTH:

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-99
(N) 350-[illegible]	1.[illegible]	2.2	.[illegible]	.3					
[illegible]-[illegible]	1.[illegible]	[illegible].2	1.[illegible]	.1					
[illegible]-[illegible]	.[illegible]	1.6	1.4	.6					
(E) [illegible]-1[illegible]	.5	.[illegible]	.5	.3					
11[illegible]-1[illegible]	1.[illegible]	1.[illegible]	1.[illegible]	.1					
14[illegible]-1[illegible]	1.[illegible]	2.[illegible]	.1	.3	.1				
(S) 17[illegible]-1[illegible]	1.[illegible]	2.6	2.2	.4	.9				
[illegible]-2[illegible]	3.[illegible]	4.[illegible]	4.1	1.2	1.1	.2			
[illegible]-2[illegible]	[illegible]	3.3	4.[illegible]	1.[illegible]	.2				
(W) 2[illegible]-2[illegible]	1.[illegible]	2.4	3.1	.5	.1	.1			
2[illegible]-3[illegible]	1.3	3.9	2.7	.3	.1				
32[illegible]-34[illegible]	[illegible].[illegible]	3.0	.[illegible]	.5	.4				
VARIABLE		.1			.[illegible]				
CALM	//								
TOTALS	21.7	33.0	22.[illegible]	6.6	3.5	.3			

TOTAL NUMBER OF OBSERVATIONS [illegible]

FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

MILDENHALL RAF UK PERIOD OF RECORD: JUL 78 - JUN 88
MONTH: MAR HOURS: 00-02

WIND SPEED IN KNOTS 1-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
							4.5	7.4	6.0
							7.2	7.5	7.0
							4.1	9.2	9.5
							2.0	8.4	9.0
							4.3	7.2	7.0
.1							5.1	5.3	5.0
.5							7.2	9.0	9.0
1.1	.2						15.4	9.4	8.0
.3							16.5	8.8	8.0
.1	.1						7.5	9.0	9.0
.1							11.0	7.6	7.0
.4							7.3	7.3	5.0
.3							.4	17.8	20.5
//////////							5.7	//////////	
3.0	.3						100.0	7.8	7.0

NO. OF OBSERVATIONS 330

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND
FROM HOURLY OBSERVATIONS

STATION NUMBER: 36573 STATION NAME: UPPER HEYFORD RAF UK
LST TO UTC: - 0

PERIOD
MONTH:

DIRECTION (DEGREES)	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49
(N) 350-010	1.3	1.4	.5	.1	.1				
020-040	.9	2.3	1.5	.7					
050-070	.4	1.7	1.4	.5	.1				
(E) 080-100	.6	.5	.6	.2					
110-130	1.0	2.4	.5						
140-160	2.3	1.9	1.1	.2					
(S) 170-190	2.6	3.2	1.7	.8	.3	.1			
200-220	1.9	5.0	3.0	1.5	.2	.2			
230-250	1.3	7.7	4.2	1.3	[illegible]	[illegible]			
(W) 260-280	1.2	3.0	2.6	1.2	.2				
290-310	1.2	5.5	2.4	.5	.2	.1			
320-340	3.7	4.1	1.0	.3	.3				
VARIABLE			.3	.5					
CALM	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////
TOTALS	22.1	41.3	21.8	8.0	2.2	.5			

TOTAL NUMBER OF OBSERVATIONS 939

CY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

[illegible] RAF JK PERIOD OF RECORD: JUL 78 - JUN 8[illegible]
MONTH: MAR HOURS: 03-05

SPEED IN KNOTS 25-29	30-34	35-39	40-49	50-54	GE 55	TOTAL %	MEAN WIND	MEDIAN WIND
						4.0	5.4	5.0
						6.0	8.4	7.0
						4.2	9.5	9.0
						2.2	8.1	8.0
						3.9	6.2	6.0
						5.1	6.2	6.0
.1						3.5	6.0	6.0
.2						15.7	8.4	7.0
.[illegible]						15.1	9.5	8.0
						3.4	8.3	8.0
.1						9.7	8.1	7.5
						7.[illegible]	7.0	6.0
						.9	14.3	15.0
//						4.6	//////////////	
.6						100.0	7.9	7.0

OBSERVATIONS 930

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OPERATING LOCATION "A"            PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE W
USAFETAC, ASHEVILLE NC                              FROM HOURLY OBSERVATIONS

STATION NUMBER: 35053    STATION NAME: UPPER HEYFORD RAF UK
                         LST TO UTC: - 0
..........................................................................
                                             WIND SPEED IN KNOTS
   DIRECTION      1-4    5-9  10-14  15-19  20-24  25-29  30-34  35-39  40-4
   (DEGREES)
..........................................................................
(N) 350-010       1.5    1.1    .9     .2
    020-040       1.3    2.5    1.5    .6
    050-070        .8    1.[illegible]   2.[illegible]    .3     .2
(E) 080-100        .8     .4     .[illegible]
    110-130       1.[illegible]    1.[illegible]     .4     .2     .1
    140-160       [illegible]    3.3    1.2
(S) 170-190       [illegible]    [illegible].7    1.[illegible]     .6     .3
    200-220       [illegible]    [illegible]    5.[illegible]    [illegible].0     .4     .4
    230-250       [illegible]     .[illegible]    [illegible]    1.[illegible]     .[illegible]     .1
(W) 260-280       1.[illegible]    [illegible]    2.[illegible]     .[illegible]     .4
    290-310       1.6    3.3    1.[illegible]     .[illegible]            .2     .1
    320-340       [illegible]    [illegible]    [illegible].3     .3     .1            .1
..........................................................................
   VARIABLE               .1     .3     .1     .1

   CALM          /////////////////////////////////////////////////////////

   TOTALS        21.7   [illegible]6.7   2[illegible].1    7.0    2.1     .7     .[illegible]

                              TOTAL NUMBER OF OBSERVATIONS   [illegible]
..........................................................................
```

CY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

RAF UK PERIOD OF RECORD: JUL 73 - JUN 83
MONTH: MAR HOURS: 06-08

SPEED IN KNOTS 30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
					3.8	6.8	6.0
					5.3	7.9	8.0
					4.5	9.6	10.0
					1.8	7.2	6.0
					4.2	6.7	6.0
					7.3	6.0	6.0
					9.1	7.7	7.0
.4					15.1	9.9	10.0
.1					13.9	9.5	9.0
					6.6	10.1	9.0
.2 .1					7.5	9.1	8.0
.1					11.5	7.9	6.0
					.6	13.2	12.0
//					4.4	//////////////	
.7 .2					100.0	8.2	6.0

OF VARIONS 330

OPERATING LOCATION: NAW
USAAVTAC, ARMVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE
FROM HOURLY OBSERVATIONS

STATION NUMBER: 36583 STATION NAME: DRPER HOLYROOD NAS NC
LST TO UTC: - 0

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-
(N) 350-010	.3	2.5	1.5	.5					
020-040	.4	2.0	2.0	.5					
050-070	.4	2.3	1.9	.4	.3				
(E) 080-100	.4	.3	1.	.1	.1				
110-130	1.1	1.0	1.0	.1	.1				
140-160	.4	2.2	2.0	.4					
(S) 170-190	1.4	3.4	1.0	.5	.2	.1			
200-220	1.1	4.4	5.2	3.1	.4			.4	
230-250	1.	5.1	7.7	2.3	1.2	.1		.2	
(W) 260-280	.3	2.2	2.7	2.7	1.4	.1	.1		
290-310	.2	2.4	3.3	1.5	1.1	.4			
320-340	1.1	4.3	3.4	1.7	.2				
VARIABLE		.3	1.1	.2					
CALM	//								
TOTALS	7.7	32.1	34.1	14.4	5.3	.5	.1	.4	

TOTAL NUMBER OF OBSERVATIONS 288

NCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

[illegible] RAF UK PERIOD OF RECORD: JUL 7[illegible] - JUN 8[illegible]
MONTH: MAR HOURS: 09-11

SPEED IN KNOTS

25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
						4.9	9.5	9.0
						5.1	9.6	10.0
						5.[illegible]	9.5	9.0
						3.1	10.3	12.0
						3.2	8.1	7.0
						[illegible]	8.7	9.0
.1						7.3	[illegible]	[illegible]
		.4				15.2	11.7	11.0
.1		.[illegible]				12.[illegible]	12.[illegible]	12.0
.1	.1					10.[illegible]	13.1	13.0
.[illegible]						[illegible].4	13.0	13.0
						10.6	10.1	10.0
						1.7	11.2	12.0
//						3.2	//////////////	
.0	.1	.6				100.0	10.6	10.0

OBSERVATIONS 930

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OPERATING LOCATION "A"            PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE
USAFETAC, ASHEVILLE NC                                 FROM HOURLY OBSERVATIONS

STATION NUMBER: 36[illegible]3    STATION NAME: UPPER HEYFORD RAF UK
                                  LST TO UTC: - 0

..........................................................................
                                                 WIND SPEED IN KNOTS
  DIRECTION      1-4    5-9  10-14  15-19  20-24  25-29  30-34  35-40  41-
  (DEGREES)

..........................................................................
(N) 350-010      1.1    1.6    1.     .      .1

    020-040       .     2.4    2.     .      .1

    050-070       .     1.7    1.    1.      .1

(E) 080-100       .      .      .     .4     .

    110-130       .     1.      .     .4

    140-160       .     1.1    1.     .

(S) 170-190       .3     .      .     .      .3

    200-220      1.3     .     4.     .7    1.      .

    230-250       .      .     4.     .3    1.      .                   .1

(W) 260-280       .      .      .     .     1.      .      .

    290-310       .      .7    4.    1.7    1.3     .4     .

    320-340      1.      .     4.     .      .1     .

..........................................................................
  VARIABLE        .1     .     2.    1.

  CALM        ////////////////////////////////////////////////////////////

  TOTALS          .      .      .1   1 .7     .     1.      .      .1

                              TOTAL NUMBER OF OBSERVATIONS
..........................................................................
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FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

WILDENRAF UK PERIOD OF RECORD: JUL 75 - JUN 84
MONTH: MAR HOURS: 12-14

SPEED IN KNOTS 30-33	34-39	40-47	48-55	56-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
						5.4	9.5	9.5
						5.2	9.9	10.0
						4.9	10.6	10.0
						3.1	9.6	9.0
						3.1	8.0	7.0
						4.2	9.9	10.0
						7.0	10.7	10.0
.5						14.4	12.3	12.0
.2		.1	.3			14.5	14.1	14.0
.2	.2					11.0	13.5	14.0
.4	.2					10.9	13.4	13.0
.3						9.2	10.5	10.0
						4.2	12.0	12.0
//						1.7	//////////////	
1.0	.4	.1	.3			100.0	11.6	12.0

OBSERVATIONS 920

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OPERATING LOCATION [illegible]           PERCENTAGE FREQUENCY OF [illegible] WIND [illegible] SURFACE
USAFETAC, ASHEVILLE NC                                    FROM HOURLY OBSERVATIONS

STATION NUMBER : [illegible]    STATION NAME: UPPER HEYFORD [illegible]
                                LST TO UTC: - 0
.........................................................................................
                                                        WIND SPEED IN KNOTS
   DIRECTION        1-4     5-9  10-14  15-19  20-24  25-29  30-34  35-39  40-
   (DEGREES)
.........................................................................................
(N) 350-010          .      .7    1.     .4

    020-040         1.      .     2.     .

    050-070          .     1.     1.    1.

(E) 080-100          .      .      .     .

    110-130          .     1.      .     .

    140-160          .     1.     1.     .

(S) 170-190          .      .1    2.     .4     .

    200-220         1.      .      .1    .      .

    230-250          .      .      .     .      .      .      .      .

(W) 260-280          .      .      .4    .1    1.

    290-310          .      .1     .    1.     1.3    .      .

    320-340         1.      .      .    1.      .      .1
.........................................................................................
    VARIABLE                .      .     .4     .1     .1

    CALM         ////////////////////////////////////////////////////////////////////

    TOTALS           .7    21.1   [illegible].4  17.    4.     .      .      .

                                      TOTAL NUMBER OF OBSERVATIONS   [illegible]
.........................................................................................
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FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

[illegible] Mar [illegible] PERIOD OF RECORD: JUL 73 - JUN [illegible]
MONTH: MAR HOURS: 15-17

WIND IN KNOTS

[illegible]	25-29	30-34	35-39	40-49	50-64	65-69	TOTAL %	MEAN WIND	MEDIAN WIND
[illegible]							5.7	9.0	9.0
[illegible]							9.0	9.9	9.0
[illegible]							4.7	10.[illegible]	10.5
[illegible]							2.0	7.9	7.0
[illegible]							3.3	7.[illegible]	7.0
[illegible]							4.0	[illegible]	9.0
[illegible]							7.2	9.3	9.0
[illegible]							15.4	12.9	10.0
[illegible]	[illegible]	[illegible]					13.[illegible]	13.[illegible]	14.0
[illegible]							11.4	12.0	12.0
[illegible]	[illegible]						10.6	11.7	11.5
[illegible]							[illegible]	9.5	13.0
[illegible]							2.0	12.9	12.0
//////////							2.7	//////////	
[illegible]	[illegible]	[illegible]					100.0	10.5	10.[illegible]

OBSERVATIONS 930

OPERATING LOCATION [illegible]
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND
FROM HOURLY OBSERVATIONS

STATION NUMBER: [illegible] STATION NAME: UPPER HEYFORD [illegible]
LST TO UTC: - [illegible]

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49
(N) 350-[illegible]	2.2	1.5	.3	.1					
[illegible]	.[illegible]	4.4	3.5	.5					
[illegible]	.[illegible]	1.[illegible]	1.1	.[illegible]					
(E) [illegible]	1.1	.[illegible]	1.	.4					
110-1[illegible]	.[illegible]	.[illegible]	1.7	.1					
1[illegible]-1[illegible]	1.	1.2	1.[illegible]	.[illegible]					
(S) 17[illegible]-1[illegible]	[illegible].2	3.[illegible]	2.[illegible]	.[illegible]					
[illegible]	[illegible].3	[illegible].[illegible]	3.1	1.[illegible]	1.3				
[illegible]	1.[illegible]	4.	[illegible].3	1.[illegible]	.	.[illegible]			
(W) [illegible]	1.	[illegible]	2.[illegible]	1.[illegible]					
[illegible]	[illegible].3	[illegible]	2.[illegible]	1.[illegible]	.[illegible]	.[illegible]			
[illegible]	[illegible]	[illegible].3	1.[illegible]	.[illegible]		.1	.1		
VARIABLE			.[illegible]		.2				
CALM	//								
TOTALS	[illegible]	[illegible]	27.[illegible]	[illegible].7	[illegible]	.[illegible]	.1		

TOTAL NUMBER OF OBSERVATIONS [illegible]

CY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
M HOURLY OBSERVATIONS

RAF UK PERIOD OF RECORD: JUL 76 - JUN 88
MONTH: MAR HOURS: 18-20

SPEED IN KNOTS 25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
						4.1	5.5	4.0
						9.4	9.3	9.0
						4.1	8.3	8.0
						3.1	8.0	9.0
						2.7	9.1	10.0
						5.1	7.5	6.0
						5.0	7.6	6.5
						13.8	10.2	9.0
.1						14.3	10.7	11.0
						9.2	9.1	8.5
.1						10.4	9.9	9.0
.1	.1					7.3	7.3	6.0
						.4	16.8	17.0
//						.2	//////////////	
.1	.1					100.0	9.3	9.0

OBSERVATIONS 939

OPERATING LOCATION "A" PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WI
USAETAC, ASHEVILLE NC FROM HOURLY OBSERVATIONS

STATION NUMBER: 55663 STATION NAME: UPPER HAYFORD DAM JK PERI
LST TO UTC: - 0 MONT

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49
(N) 350-010	1.7	.9	.9		.1				
020-040	1.8	4.7	3.0						
050-070	.9	1.7	1.0	.4					
(E) 080-100	1.3	.9	.5	.4					
110-130	.9	1.4	1.0	.1					
140-160	1.	1.9	.5	.0	.1				
(S) 170-190	1.1	2.3	1.9	.0	.5	.9			
200-220	3.3	6.2	3.7	1.7	.5	.4			
230-250	1.4	5.7	4.0	2.9	.4				
(W) 260-280	1.4	4.0	2.9	.9	.2				
290-310	2.0	5.3	1.9	.2	.5	.1			
320-340	1.1	2.0	.1	.3	.3				
VARIABLE			.9						
CALM	//								
TOTALS	20.1	39.1	22.9	7.5	2.1	.7			

TOTAL NUMBER OF OBSERVATIONS 981

ENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

YFORD RAF UK PERIOD OF RECORD: JUL 78 - JUN 88
MONTH: MAR HOURS: 21-23

SPEED IN KNOTS									
4	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
							3.5	6.2	6.0
							9.0	7.8	8.0
							4.5	9.1	9.0
							3.1	7.6	8.0
							3.2	7.6	7.0
							5.1	7.0	7.0
	.2						7.2	8.0	8.0
	.4						15.1	9.4	8.0
							15.2	9.4	9.0
							9.8	8.5	8.0
	.1						10.2	8.2	7.0
							5.1	7.5	6.0
							.2	13.5	13.5
//							5.3	//////////////	
	.7						100.0	8.1	8.0

OBSERVATIONS 930

OPERATING LOCATION "A" PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE
USAFETAC, ASHEVILLE NC FROM HOURLY OBSERVATIONS

STATION NUMBER: 36583 STATION NAME: UPPER HEYFORD RAF UK PE
LST TO UTC: - 0 MO

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-
(N) 350-010	1.3	1.7	1.1	.3	.0				
020-040	1.3	3.4	2.3	.3	.0				
050-070	.5	1.7	1.7	.5	.1				
(E) 080-100	.5	.7	.2	.3	.0				
110-130	1.3	1.5	.5	.2	.0				
140-160	1.7	2.3	1.2	.4	.0				
(S) 170-190	1.5	3.2	2.7	.5	.3	.1			
200-220	1.5	4.3	4.7	2.3	.4	.2		.1	
230-250	1.5	4.3	4.7	2.5	.5	.1	.	.1	.
(W) 260-280	1.1	3.2	2.3	1.7	.6	.1	.2		
290-310	1.4	3.3	3.3	1.0	.7	.2	.1		
320-340	2.2	3.4	2.2	.5	.2	.1	.1		
VARIABLE	.3	.3	.5	.3	.1	.3			
CALM	//								
TOTALS	15.3	34.7	27.1	11.4	3.6	.8	.1	.2	

TOTAL NUMBER OF OBSERVATIONS 7440

CY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
IN HOURLY OBSERVATIONS

RAF UK PERIOD OF RECORD: JUL 78 - JUN 88
MONTH: MAR HOURS: ALL

SPEED IN KNOTS 25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
						4.5	7.8	7.0
						7.2	8.6	8.0
						4.7	9.7	10.0
						2.5	8.5	9.0
						3.5	7.5	7.0
						5.4	7.4	7.0
.1						7.7	8.7	9.0
.0		.1				15.3	10.2	10.0
.1	.0	.1	.0			14.5	10.9	10.0
.1	.0					8.6	10.8	10.0
.2	.1					9.5	10.3	9.0
.1	.0					8.9	9.4	7.0
.0						1.3	12.9	12.5
//						4.7	//////////////	
.8	.1	.2				100.0	9.1	9.0

OBSERVATIONS 7440

OPERATING LOCATION "A" PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE-
USAFETAC, ASHEVILLE NC FROM HOURLY OBSERVATIONS

STATION NUMBER: 38553 STATION NAME: UPPER HEYFORD RAF UK
LST TO UTC: - 0

CATEGORY A: CEILING OF 200 FEET BUT LESS THAN 1500 FEET WITH VISIBILITY OF 1/
AND/OR
VISIBILITY OF 1/2 MILE (800 METERS) BUT LESS THAN 3 MILES (4

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-
(N) 350-010	1.2	.9	1.1	.5	.1				
020-040	1.7	4.5	2.[illegible]	.3					
050-070	1.0	3.0	2.7	1.0	.4				
(E) 080-100	.7	1.4	1.7	.7	.3				
110-130	1.4	2.[illegible]	1.[illegible]	.3	.1				
140-160	2.1	4.[illegible]	2.[illegible]	.3					
(S) 170-190	1.	3.4	4.1	.5	.2	.1			
200-220	1.7	5.3	7.[illegible]	4.4	.7	.1			
230-250	.7	3.3	4.1	2.3	.7				
(W) 260-280	.7	.5	.3			.1			
290-310	1.5	1.2	.7	.2	.3				
320-340	1.[illegible]	2.[illegible]	.[illegible]	.3	.3				
VARIABLE									
CALM	//								
TOTALS	14.5	35.7	29.[illegible]	11.5	3.0	.3			

TOTAL NUMBER OF OBSERVATIONS 1742

NCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

RAF UK PERIOD OF RECORD: JUL 75 - JUN 88
MONTH: MAR HOURS: ALL

ET WITH VISIBILITY GE 1/2 MILE (0800 METERS).

NOT LESS THAN 3 MILES (4800 METERS) WITH CEILING GE 200 FEET.

SPEED IN KNOTS

25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
						3.7	8.5	9.0
						9.3	8.6	9.0
						9.2	9.3	10.0
						4.7	9.9	10.0
						5.3	7.5	7.0
						9.1	7.3	7.0
.1						12.7	9.5	8.0
.1						19.4	11.4	12.0
						11.2	11.7	12.0
.1						1.7	7.6	6.5
						3.4	7.9	6.5
						4.5	5.0	7.0
//						6.1	//////////	
.3						100.0	8.9	9.0

OBSERVATIONS 1749

OPERATING LOCATION: [illegible] PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE
USAFETAC, ASHEVILLE, NC FROM HOURLY OBSERVATIONS

STATION NUMBER: [illegible] STATION NAME: UPPER HEYFORD RAF UK
LST TO UTC: - 0

DIRECTION (DEG-TRUE)	WIND SPEED IN KNOTS 1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-
(N) 350-11[illegible]	3.1	1.[illegible]	.7	.4	.2				
020-34[illegible]	[illegible].1	4.[illegible]	2.1	.4					
[illegible]	3.[illegible]	4.3	2.[illegible]	.1					
(E) [illegible]	[illegible]	1.[illegible]	1.[illegible]						
110-1[illegible]	3.[illegible]	1.2	.[illegible]						
1[illegible]-1[illegible]	[illegible]	1.2		.1					
(S) 17[illegible]-1[illegible]	[illegible]	2.[illegible]	.4	.1					
2[illegible]-2[illegible]	[illegible]	[illegible]	1.4	.[illegible]					
2[illegible]-3[illegible]	[illegible]	3.3	1.1	.					
(W) [illegible]-2[illegible]	1.4	[illegible].1	.7	.4					
2[illegible]-31	[illegible]	[illegible].7	.	.[illegible]					
32[illegible]-3[illegible]	[illegible]	[illegible]	1.4	.[illegible]					
VARIABLE		.[illegible]		.1					
CALM	//								
TOTALS	[illegible].1	37.7	12.4	4.[illegible]	.2				

TOTAL NUMBER OF OBSERVATIONS [illegible]

FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

YEARD RAF UK PERIOD OF RECORD: JUL 79 - JUN 83
MONTH: APR HOURS: 00-02

SPEED IN KNOTS	25-29	30-34	35-39	40-49	50-54	GE 55	TOTAL %	MEAN WIND	MEDIAN WIND
							6.2	6.5	4.5
							11.1	7.1	6.0
							9.7	6.6	6.0
							5.1	5.5	4.5
							5.2	4.6	3.0
							3.3	4.1	3.5
							5.4	5.6	5.0
							9.7	6.[illegible]	6.0
							[illegible]	7.1	5.0
							5.7	6.8	6.5
							[illegible]	6.7	5.0
							12.2	5.[illegible]	5.0
							.3	11.0	9.0
							9.0	//////////	
							100.0	5.7	5.0

OBSERVATIONS 900

OPERATING LOCATION WAM PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE
USAFETAC, ASHEVILLE NC FROM HOURLY OBSERVATIONS

STATION NUMBER: 36-53 STATION NAME: UPPER HEYFORD RAF UK
LST TO UTC: - 0

	WIND SPEED IN KNOTS								
DIRECTION (DEGREES)	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	4
(N) 350-010	4.8	2.4	1.0	.4		.1			
020-040	4.4	4.3	1.0	.7		.2			
050-070	3.1	4.5	1.2	.1					
(E) 080-100	3.4	1.7	1.2						
110-130	1.3	3.3	.4						
140-160	3.7	.7	.4						
(S) 170-190	3.3	2.3	2.3						
200-220	3.3	2.5	1.3	.4					
230-250	3.4	4.3	1.7	.4					
(W) 260-280	1.7	2.5	1.1	.2					
290-310	3.3	6.1	.4	.4	.1				
320-340	2.4	7.9	1.6	.1					
VARIABLE			.3	.1					
CALM	//								
TOTALS	40.2	33.8	14.5	2.5	.1	.3			

TOTAL NUMBER OF OBSERVATIONS 4[illegible]

UENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

RECORD RAF UK PERIOD OF RECORD: JUL 78 - JUN 88
MONTH: APR HOURS: 03-05

SPEED IN KNOTS %	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
.1							3.3	5.8	4.0
.2							10.2	7.7	7.0
							7.4	7.0	7.0
							4.9	6.1	5.5
							4.8	5.5	6.0
							3.[illegible]	4.1	3.5
							6.6	6.7	6.0
							7.[illegible]	6.2	5.0
							9.4	5.[illegible]	5.0
							5.6	6.5	6.0
							7.5	7.2	6.0
							16.0	5.[illegible]	5.0
							.3	14.0	13.0
//							7.3	//////////////	
.3							100.0	6.0	6.0

OBSERVATIONS 800

OPERATING LOCATION NAM PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE
USAFTAC, ASHEVILLE, NC FROM HOURLY OBSERVATIONS

STATION NUMBER: [illegible] STATION NAME: UPPER HAYFORD RAF UK
LST TO UTC: - 0

DIRECTION (DEGREE 2)	WIND SPEED IN KNOTS 1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-
(N) 350-010	[illegible]	2.4	1.1	.7	.1				
020-040	[illegible]	4.1	[illegible]	[illegible]	.3				
050-070	1.[illegible]	[illegible]	2.4	.1					
(E) 080-100	1.7	2.3	1.[illegible]	.2					
110-130	1.7	[illegible]	1.[illegible]	.2					
140-160	1.[illegible]	[illegible].7	.[illegible]						
(S) 170-190	[illegible]	[illegible]	1.[illegible]	.[illegible]					
200-220	[illegible].7	[illegible]	1.[illegible]	.[illegible]					
230-250	1.[illegible]	[illegible]	1.[illegible]	.[illegible]					
(W) 260-280	1.[illegible]	1.[illegible]	.[illegible]	.1	.1				
290-310	1.[illegible]	[illegible]	2.1	.[illegible]	.3				
320-340	[illegible]	.[illegible]	[illegible]	.[illegible]					
VARIABLE		.1	.7	.1					
CAL	//								
TOTALS	[illegible]	[illegible]	[illegible]	[illegible]	.[illegible]				

TOTAL NUMBER OF OBSERVATIONS [illegible]

CY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
HOURLY OBSERVATIONS

YEAR [illegible] PERIOD OF RECORD: JUL 7[illegible] - JUN 8[illegible]
MONTH: APR HOURS: 06-09

IN KNOTS [illegible]-[illegible]	30-34	35-39	40-49	50-54	55-66	TOTAL %	MEAN WIND	MEDIAN WIND
						7.1	7.6	6.0
						10.[illegible]	7.7	7.0
						[illegible].3	7.[illegible]	7.0
						5.0	6.5	6.0
						5.1	[illegible]	6.0
						[illegible]	5.1	6.0
						5.2	7.1	5.0
						[illegible]	6.7	[illegible]
						7.[illegible]	7.[illegible]	7.0
						8.[illegible]	7.7	[illegible]
						7.7	[illegible]	8.0
						1[illegible].0	[illegible]	[illegible]
						.0	12.5	12.0
//						[illegible]	//////////////	
						100.0	6.0	7.0

[illegible]

OPERATING LOCATION MAP
USAFETAC, ASHEVILLE, NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WI
FROM HOURLY OBSERVATIONS

STATION NUMBER: [illegible] STATION NAME: [illegible]
EST TO UTC: - [illegible]

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-4	5-7	10-14	15-19	20-24	25-29	30-34	35-39	40-64
(N) 353-016	1.4	3.3	1.9	.7	.1	.2			
023-045	1.5	4.2	3.1	1.1	.3				
050-075	1.[illegible]	3.2	[illegible]	.4					
(E) [illegible]-105	.	2.4	2.4	.4	.1				
110-133	1.1	2.7	.7	.1					
138-163	1.[illegible]	3.1	2.[illegible]	.[illegible]	.1				
(S) 173-196	1.	3.[illegible]	1.2	.[illegible]	.1				
203-225	1.1	4.3	2.	1.3					
233-255	.	3.1	3.2	.[illegible]					
(W) [illegible]	.[illegible]	.[illegible]	.7	.[illegible]	.[illegible]	.1			
293-315	1.[illegible]	2.[illegible]	4.7	1.4	.4				
320-350	[illegible]	4.[illegible]	3.[illegible]	.3					
VARIABLE		1.7	1.	.[illegible]	.1				
CALM	//								
TOTAL	1.	37.3	31.7	10.2	1.[illegible]	.3			

TOTAL NUMBER OF OBSERVATIONS [illegible]

CY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

[illegible] AF JK PERIOD OF RECORD: JUL 73 - JUN 88
MONTH: APR HOURS: 09-11

[illegible] IN KNOTS 25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
.2						8.1	5.7	8.0
						10.3	9.4	9.0
						5.3	8.3	5.0
						5.[illegible]	9.4	9.5
						4.9	5.5	5.0
						7.[illegible]	8.4	8.0
						5.0	5.[illegible]	5.0
						3.6	9.3	9.0
						5.[illegible]	9.7	10.0
.1						5.1	10.[illegible]	11.0
						9.[illegible]	10.3	10.0
						10.4	8.6	8.0
						4.3	11.2	10.0
//						3.3	//////////////	
.3						100.0	8.[illegible]	9.0

[illegible]VATIONS 2[illegible]0

OPERATING, LOCATION "AW"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE
[illegible] HOURLY OBSERVATIONS

STATION NUMBER: 3[illegible]3 STATION NAME: UPPER [illegible] AFB [illegible] PER
LST TO UTC: - [illegible] [illegible]

DIRECTION (MAGNETIC)	WIND SPEED IN KNOTS 1-4	5-7	10-14	15-19	20-24	25-29	30-34	35-39	40-4
(A) 350-010	1.4	3.[illegible]	2.4	.3	.1	.1			
020-[illegible]	1.4	4.[illegible]	4.[illegible]	.7	.[illegible]				
030-[illegible]	1.[illegible]	3.7	3.[illegible]	.[illegible]					
(B) [illegible]-1[illegible]	.7	1.[illegible]	2.[illegible]	.7					
110-1[illegible]	.	1.1	1.[illegible]	.1					
140-1[illegible]	.	2.[illegible]	3.1	..					
(C) 170-1[illegible]	.	2.1	2.[illegible]	1.2					
[illegible]	1.[illegible]	[illegible]	4.[illegible]	1.2	.3				
[illegible]	.	[illegible]	[illegible]	.7	.[illegible]	.[illegible]			
(D) [illegible]	1.1	1.[illegible]	1.[illegible]	.7	.2	.1			
[illegible]	1.[illegible]	1.	[illegible]	.[illegible]	.[illegible]	.[illegible]			
[illegible]	1.[illegible]	[illegible]	2.[illegible]	1.1					
VARIABLE		3.7	3.[illegible]	.[illegible]	.1				
CALM	//								
TOTALS	14.[illegible]	24.1	3[illegible].[illegible]	9.4	2.1	.[illegible]			

TOTAL NUMBER OF OBSERVATIONS [illegible]

CY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
HOURLY OBSERVATIONS

RAF UK PERIOD OF RECORD: JUL 78 - JUN 88
MONTH: APR HOURS: 12-14

SPEED IN KNOTS 30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
.1					3.1	8.4	7.0
					10.7	9.5	9.0
					8.2	8.7	8.0
					9.2	9.4	10.0
					3.0	8.3	9.0
					6.3	8.9	10.0
					7.0	10.1	10.0
					10.8	10.0	10.0
.1					7.6	10.7	10.0
.1					5.8	10.3	10.0
.3					8.3	11.8	11.0
					8.4	8.0	9.0
					7.0	10.4	10.0
//					2.3	//////////////	
.1					100.0	9.5	10.0

OBSERVATIONS 900

OPERATING LOCATION "A"
USAFFTAC, ASH VILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE
FROM MULTI-YEAR STATIONS

STATION NUMBER: 38968 STATION NAME: UPPER MOYEROD KAF JK
LST TO UTC: - 0

DIRECTION (DEG-TRUE)	WIND SPEED IN KNOTS 1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-44
(N) 350-010	1.6	3.2	1.6	.1					
020-040	1.1	4.1	3.3	2.6	.7				
050-070	1.5	4.7	3.4	.7					
(E) 080-100	.4	2.4	3.0	.4	.1				
110-130	.7	1.0	1.3	.1					
140-160	1.4	1.6	2.0	.4					
(S) 170-190	1.1	2.3	3.1	.2	.2	.1			
200-220	.3	3.1	5.0	.7	.7				
230-250	1.4	2.7	5.6	.4	.4	.1			
(W) 260-280	1.4	2.7	2.6	.3	.1				
290-310	.6	2.8	4.1	1.2	.9	.1			
320-340	2.7	3.3	2.2	.5	.1				
VARIABLE	.2	1.3	2.7	.3					
CALM	//								
TOTAL	14.2	35.1	35.5	7.1	3.2	.4			

TOTAL NUMBER OF OBSERVATIONS 962

QUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

WYFORD RAF UK PERIOD OF RECORD: JUL 73 - JUN 83
MONTH: APR HOURS: 15-17

SPEED IN KNOTS							TOTAL %	MEAN WIND	MEDIAN WIND
-24	25-29	30-34	35-39	40-49	50-64	GE 65			
							5.3	7.5	7.0
.7							11.2	10.3	10.0
							9.7	8.0	8.0
.1							5.4	9.6	10.0
							3.3	9.2	9.5
							5.4	8.1	8.0
.1	.1						7.6	9.4	9.0
.7							9.1	10.5	10.0
.4	.2						8.3	10.7	10.0
.1							7.4	9.1	8.0
.4	.1						8.2	11.6	11.0
.1							9.5	8.1	8.0
							4.5	10.4	11.0
//							2.3	//////////////	
.1	.4						100.0	9.2	9.0

OBSERVATIONS 900

OPERATING LOCATION: NAW
USATTAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE [illegible]
[illegible]

STATION NUMBER: [illegible] STATION NAME: UPPER [illegible]
LST TO UTC: - 0

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-[illegible]
(N) 350-[illegible]	[illegible]	2.1	.3		.2				
[illegible]	[illegible]	[illegible]	2.[illegible]	1.[illegible]	.1				
[illegible]	[illegible]	[illegible]	[illegible]	.[illegible]					
(E) [illegible]	[illegible]	[illegible]	1.[illegible]						
[illegible]	1.1	1.[illegible]	.[illegible]	.1					
[illegible]	[illegible]	[illegible]	1.[illegible]	.1					
(S) 170-[illegible]	[illegible]	[illegible]	1.1	.2					
[illegible]	1.7	[illegible]	2.[illegible]	.[illegible]	.2				
[illegible]	[illegible]	[illegible]	1.[illegible]	.[illegible]	.[illegible]				
(W) [illegible]	1.[illegible]	[illegible]	1.7	.1					
[illegible]	[illegible]	[illegible]	2.[illegible]	.7	.1	.2			
[illegible]	[illegible]	[illegible]	1.[illegible]	.1					
VARIABLE	.1	.2	1.1						
CALM	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////
TOTALS	[illegible]	[illegible]	1[illegible].[illegible]	[illegible].1	.[illegible]	.2			

TOTAL NUMBER OF OBSERVATIONS [illegible]

NCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
HOURLY OBSERVATIONS

PERIOD OF RECORD: JUL 73 - JUN 88
MONTH: APR HOURS: 18-20

WIND IN KNOTS 25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
						5.0	5.7	5.0
						12.0	8.4	8.0
						11.3	6.6	6.0
						8.0	6.7	6.0
						3.2	6.6	6.0
						5.6	6.8	6.0
						6.1	6.4	6.0
						9.3	8.5	7.5
						7.1	8.0	8.0
						5.9	7.6	8.0
.0						8.4	8.1	7.5
						7.6	6.8	6.0
						1.4	10.9	12.0
//						8.2	//////////////	
.0						100.0	6.8	7.0

OBSERVATIONS 900

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF [illegible]
FROM HOURLY OBSERVATIONS

STATION NUMBER: [illegible] STATION NAME: [illegible] AFB [illegible]
LST TO UTC: - [illegible]

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-
(N) [illegible]	[illegible]	1.5	1.0		.3				
[illegible]	[illegible]	3.6	2.7	.9	.1				
[illegible]	[illegible]	4.[illegible]	2.[illegible]	.1					
(E) [illegible]	[illegible]	[illegible]	1.2						
110-1[illegible]	[illegible]	1.4	.[illegible]						
140-1[illegible]	[illegible]	.7	.[illegible]						
(S) [illegible]	1.[illegible]	[illegible].7	.	.2					
[illegible]	[illegible]	[illegible]	1.[illegible]	.[illegible]	.2				
[illegible]	[illegible]	5.3	1.4	.2		.1			
(W) [illegible]	.1	[illegible]	1.1						
[illegible]	[illegible]	[illegible]	.[illegible]	.1	.3				
[illegible]	[illegible]	[illegible]	.[illegible]						
VARIABLE		.2	.[illegible]		.1				
CALM	//								
TOTALS	[illegible].7	[illegible]	15.4	2.1	1.[illegible]	.1			

TOTAL NUMBER OF OBSERVATIONS [illegible]

NCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

KEESLER AFB MS PERIOD OF RECORD: JUL 74 - JUN 84
MONTH: APR HOURS: 21-23

SPEED IN KNOTS							TOTAL %	MEAN WIND	MEDIAN WIND
	25-29	30-34	35-39	40-49	50-64	GE 65			
							5.4	6.0	5.0
							10.2	7.7	7.0
							11.5	5.5	6.0
							6.2	5.2	5.0
							4.5	4.9	4.0
							3.3	5.4	4.0
							5.5	6.3	5.5
							11.1	5.7	5.0
.1							7.2	7.3	7.0
							7.0	5.3	5.0
							6.2	6.1	5.0
							7.2	4.0	4.0
							.9	11.4	10.5
//							0.3	//////////////	
.1							100.0	5.0	6.0

OBSERVATIONS 900

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OPERATING LOCATION "A"          PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE
USAFETAC, ASHEVILLE NC                          FROM HOURLY OBSERVATIONS

STATION NUMBER: [illegible]   STATION NAME: UPPER HEYFORD RAF UK               P
                              LST TO UTC: - 0                                  M
..............................................................................
                                                 WIND SPEED IN KNOTS
   DIRECTION      1-4    5-9  10-14  15-19  20-24  25-29  30-34  3 -39  4
..............................................................................
   (DEGREES)
..............................................................................
(N) 350-010       2.6    2.7    1.2     .3     .1     .1

    020-040       2.7    4.1    2.[illegible]    1.1     .5     .[illegible]

    050-070       2.9    4.4    2.8     .3

(E) 080-100       1.[illegible]    2.4    1.7     .2     .[illegible]

    110-130       1.7    1.7     .9     .1

    140-160       1.     1.8    1.5     .2     .1

(S) 170-190       1.7    2.5    1.6     .4     .[illegible]     .[illegible]

    200-220       2.[illegible]    2.6    2.4     .7     .2

    230-250       1.[illegible]    3.2    2.[illegible]     .6     .1     .1

(W) 260-280       1.5    2.     1.      .4     .1     .2

    290-310       2.     5.[illegible]    2.2     .7     .3     .1

    320-340       [illegible]    4.7    2.2     .4     .2

..............................................................................
   VARIABLE        .2     .2    1.3     .3     .2

   CALM         //////////////////////////////////////////////////////////////

   TOTALS          .5   37.4   23.4    5.[illegible]    1.1     .3

                                    TOTAL NUMBER OF OBSERVATIONS: [illegible]
..............................................................................
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QCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
[illegible] HOURLY OBSERVATIONS

CY-[illegible] RAF JK PERIOD OF RECORD: JUL 78 - JUN 88
MONTH: APR HOURS: ALL

SPEED IN KNOTS 20-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
.1						5.8	7.2	6.0
.3						11.0	6.5	6.0
						9.4	7.3	7.0
						5.9	7.5	7.0
						4.4	6.4	6.0
						5.1	6.9	6.0
.3						6.3	7.7	7.0
						3.3	5.1	5.0
.1						7.[illegible]	8.0	8.0
.3						6.[illegible]	6.1	7.0
.1						[illegible].3	6.7	5.0
						10.9	6.9	6.0
						2.5	10.4	11.0
//						6.0	//////////////	
.3						100.0	7.3	7.0

[illegible] OBSERVATIONS 7[illegible]

OPERATIONS LOCATION MAP PERCENTAGE FREQUENCY OF OCCURRENCE STRATIFIED
HUNTSVILLE, ALABAMA FROM HOURLY OBSERVATIONS

STATION NUMBER: [illegible] STATION NAME: UPPER HEYFORD RAF UK
LST TIME UTC: - 0

CATEGORY A: CEILING OF 100 FEET BUT LESS THAN 1500 FEET WITH VISIBILITY OF 1/
AND/OR
VISIBILITY OF 1/2 MILE (800 METERS) BUT LESS THAN 3 MILES (4

CEILING (FEET)	WIND SPEED IN KNOTS 1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-
(METERS)									
(0) 350-1[illegible]	[illegible]	1.7	.7	.4	.6	.1			
200-[illegible]	[illegible]	[illegible]	[illegible]	3.3	.[illegible]	.[illegible]			
[illegible]-[illegible]	[illegible]	[illegible]	[illegible]	1.[illegible]					
(0) [illegible]-1[illegible]	1.[illegible]	[illegible]	3.7	.3					
11[illegible]-1[illegible]	1.[illegible]	[illegible]	.[illegible]	.[illegible]					
14[illegible]-1[illegible]	.[illegible]	[illegible]	.[illegible]	.[illegible]					
(0) 170-1[illegible]	[illegible]	[illegible]	[illegible]	.[illegible]	.1				
[illegible]-[illegible]	[illegible]	[illegible]	[illegible]	.					
[illegible]-[illegible]	1.[illegible]	1.7	.[illegible]	.[illegible]					
(0) 2[illegible]-2[illegible]	.7	.[illegible]	.[illegible]						
[illegible]-[illegible]	1.[illegible]	1.7	.4	.1					
[illegible]-[illegible]	.[illegible]	.1	1.[illegible]	.1					
VARIABLE									
CALM	//								
TOTALS	[illegible].1	[illegible].3	22.[illegible]	7.7	1.5	.[illegible]			

TOTAL NUMBER OF OBSERVATIONS 1 [illegible]

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[illegible] OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
HOURLY OBSERVATIONS

[illegible]            PERIOD OF RECORD:  JUL 7[illegible] - JUN [illegible]
                       MONTH: APR      HOURS: ALL
...........................................................

[illegible] WITH VISIBILITY OF 1/2 MILE (800 METERS).

[illegible] THAN [illegible] MILE ([illegible] METERS) WITH CEILING OF 200 FEET.
...........................................................
     IN KNOTS
[illegible]                                  TOTAL   MEAN   MEDIAN
...........................................................
                                                 WIND   WIND
...........................................................
   .[illegible]                          [illegible]   [illegible]   [illegible]

   .[illegible]                          17.[illegible]   [illegible]   [illegible]

                                         1[illegible]   [illegible]   [illegible]

                                          7.[illegible]   [illegible].7  1[illegible]

                                         [illegible]   [illegible]   [illegible]

                                         [illegible]   [illegible]   [illegible]

                                         [illegible]   7.[illegible]   [illegible]

                                         1[illegible]   [illegible]   [illegible]

                                         [illegible]   [illegible]   [illegible]

                                          1.[illegible]   [illegible]   [illegible]

                                         [illegible]   [illegible]   [illegible]

                                         1[illegible]   [illegible]   [illegible]

...........................................................

[illegible]/////////////////////////////////////   [illegible]   /////////////

   .[illegible]                         1[illegible]   7.[illegible]    7.[illegible]

   [illegible]
...........................................................
```

[illegible] PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE [illegible]
[illegible] FROM HOURLY OBSERVATIONS

STATION NUMBER: [illegible] STATION NAME: [illegible]
LST T/UTC: [illegible]

[illegible]	WIND SPEED [illegible]								
[illegible]	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-46
(.) [illegible]	.1	.2	.4						
[illegible]	[illegible]	[illegible]	[illegible]						
[illegible]	[illegible]	.1	[illegible]	.4					
(.) [illegible]	[illegible]	.4	1.1						
[illegible]	.2	1.1	.1						
[illegible]	[illegible]	[illegible]	[illegible]						
(.) [illegible]	[illegible]	[illegible]	[illegible]						
[illegible]	[illegible]	[illegible]	[illegible]	.1					
[illegible]	[illegible]	[illegible]	[illegible]	.1					
(.) [illegible]	[illegible]	[illegible]	[illegible]	.1					
[illegible]	[illegible]	[illegible]	[illegible]						
[illegible]	[illegible]	[illegible]	[illegible]	.1					
[illegible]	.1	.1	.1	.1	.1				
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	.1				

TOTAL NUMBER OF OBSERVATIONS [illegible]

FY THE OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
HOURLY OBSERVATIONS

[illegible] PERIOD OF RECORD: JUL 7[illegible] - JUN 8[illegible]
MONTH: MAY HOURS: 00-02

WIND KNOTS [illegible]-27	28-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
						3.7	4.9	5.0
						9.9	6.7	6.0
						7.7	7.1	6.0
						5.2	5.4	5.0
						3.9	4.4	4.0
						5.7	5.5	5.0
						5.2	5.5	5.0
						13.7	7.4	7.0
						9.1	5.3	7.0
						4.7	6.9	5.5
						5.7	5.0	5.5
						[illegible].5	[illegible].7	5.0
						.7	11.2	10.0
//						[illegible].3	//////////////	
						100.0	5.7	5.0

OBSERVATIONS [illegible]

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OPERATING LOCATION MAW          PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE
USAFETAC, ASHEVILLE NC                           FROM HOURLY OBSERVATIONS

STATION NUMBER : [illegible]     STATION NAME : UPPER HEYFORD RAF U
                                 LST TO UTC: - [illegible]
..........................................................................
                                               WIND SPEED IN KNOTS
   DIRECTION      1-4     5-9   10-14   15-19   20-24   25-29   30-34   35-39   40-
   (DEGREES)
..........................................................................
([illegible]) 350-010   [illegible]   4.[illegible]   .[illegible]

   020-040        [illegible]   [illegible]   1.[illegible]

   050-070        1.[illegible]   [illegible]   1.[illegible]     .3

( ) 080-100       [illegible]   1.[illegible]    .[illegible]

   110-130          .     1.      .2

   140-160        [illegible]   1.[illegible]    .

( ) 170-190        .1     .1    1.[illegible]     .1

   200-220          .[illegible]     .[illegible]    [illegible].     .[illegible]

   230-250        1.      .[illegible]    1.[illegible]     .1

( ) 260-280        .[illegible]     .[illegible]     .[illegible]

   290-310        1.7     [illegible]    1.1      .[illegible]

   320-340          .     4.[illegible]    1.7

..........................................................................
   VARIABLE        .1     .2     .[illegible]

   CALM       //////////////////////////////////////////////////////////

   TOTAL          [illegible]   [illegible]   1[illegible].[illegible]     1.1

                           TOTAL NUMBER OF [illegible]     [illegible]
..............................................     ..................
```

FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

[illegible] HEYFORD RAF UK PERIOD OF RECORD: JUL 7[illegible] - JUN 8[illegible]
MONTH: MAY HOURS: 03-09

	WIND SPEED IN KNOTS									
[illegible]	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
[illegible]								9.3	5.5	5.0
[illegible]								8.7	5.9	5.0
[illegible]								7.0	7.2	7.0
[illegible]								4.2	5.7	5.0
[illegible]								4.5	4.1	3.0
[illegible]								6.4	5.0	4.0
[illegible]								7.[illegible]	5.7	5.0
[illegible]								12.0	7.5	7.0
[illegible]								7.5	7.[illegible]	7.0
[illegible]								5.5	5.7	4.0
[illegible]								5.5	6.9	7.0
[illegible]								11.7	5.5	5.0
[illegible]								.3	3.3	10.5
[illegible]								3.2	//////////	
[illegible]								100.0	5.5	5.0

[illegible] OBSERVATIONS [illegible]

OPERATING LOCATION "A"
USAFETAC, [illegible] VILLE, NC

PERCENTAGE FREQUENCY OF [illegible] SURFACE [illegible]
[illegible] ASSEMBLY [illegible] PATTERNS

STATION NUMBER: [illegible] STATION NAME: UPPER HEYFORD [illegible]
LST TO UTC: - [illegible]

WIND DIRECTION (DEGREES)	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-[illegible]
(0) 350-[illegible]	[illegible]	[illegible]	[illegible]	.1					
[illegible]	[illegible]	[illegible]	[illegible]	.1					
[illegible]-[illegible]	[illegible]	[illegible]	[illegible]	.2					
(0) [illegible]-[illegible]	[illegible]	[illegible]	[illegible]						
[illegible]	[illegible]	[illegible]	.[illegible]						
[illegible]	[illegible]	[illegible]	[illegible]	.4					
(0) [illegible]-[illegible]	[illegible]	[illegible]	[illegible]	.1	.2				
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]					
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]					
(0) [illegible]	[illegible]	[illegible]	[illegible]	[illegible]					
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]					
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]					
[illegible]		[illegible]	[illegible]	[illegible]					
[illegible]	//////////								
TOTAL	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				

TOTAL NUMBER OF OBSERVATIONS [illegible]

FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

HAYFORD RAF UK PERIOD OF RECORD: JUL 78 - JUN 88
MONTH: MAY HOURS: 06-08

SPEED IN KNOTS							TOTAL %	MEAN WIND	MEDIAN WIND
							3.4	5.7	6.0
							[illegible]	5.7	6.0
							8.1	7.4	7.0
							5.9	7.3	8.0
							4.0	6.0	5.0
							5.5	4.5	6.5
.0							10.1	7.4	7.0
							13.0	5.5	5.0
							5.1	.1	4.0
							9.3	9.5	11.0
							5.7	5.1	4.0
							9.7	7.5	7.0
							9.4	10.0	10.0
//							5.0	//////////////	
.							100.0	7.2	7.0

OBSERVATIONS 483

OPERATIONS LOCATION "A" PERCENTAGE FREQUENCY OF OCCURRENCE OF WIND
DUGWAY, ASH VALLEY, UT FROM HOURLY OBSERVATIONS

STATION NUMBER: [illegible] STATION NAME: UPPER [illegible] [illegible]
EST TIME UTC: - 0

DIRECTION (TRUE N)	WIND SPEED IN KNOTS 1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-44
(N) 355-[illegible]	[illegible]	[illegible]	[illegible]	.7					
[illegible]	[illegible]	[illegible]	[illegible]	.2					
[illegible]	[illegible]	[illegible]	[illegible]	.4					
(E) [illegible]	.7	[illegible]	1.	.3					
[illegible]	[illegible]	[illegible]	[illegible]	.2					
[illegible]	[illegible]	[illegible]	[illegible]	.1					
(S) 175-[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	.3				
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	.1				
[illegible]	.	[illegible]	[illegible]	[illegible]	.				
(W) [illegible]	.7	[illegible]	.7	.7	.7				
[illegible]	.	[illegible]	[illegible]	.7	.1				
[illegible]	[illegible]	[illegible]	[illegible]	.					
VARIABLE	.2	[illegible]	[illegible]	.4	.1				
CALM	//								
TOTALS	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				

TOTAL NUMBER OF OBSERVATIONS [illegible]

FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

[illegible] HOLYOKE [illegible] JR PERIOD OF RECORD: JUL 7[illegible] - JUN 8[illegible]
MONTH: MAY HOURS: 09-11

	WIND SPEED IN KNOTS 20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
[illegible]								5.[illegible]	3.7	3.0
[illegible]								[illegible].5	7.4	7.0
[illegible]								7.3	6.6	[illegible].0
[illegible]								[illegible].8	9.5	8.0
[illegible]								[illegible].0	9.0	10.0
[illegible]								[illegible].1	7.1	5.0
[illegible]	.3							[illegible].1	[illegible].5	9.0
[illegible]	.1							14.[illegible]	9.[illegible]	1[illegible].0
[illegible]	[illegible]							[illegible].[illegible]	1[illegible].[illegible]	10.0
[illegible]	.2							3.7	9.3	9.0
[illegible]	.1							[illegible].7	[illegible].5	1[illegible].0
[illegible]								[illegible].[illegible]	[illegible].5	[illegible].0
[illegible]	.1							[illegible].7	10.5	10.0
[illegible]								1[illegible].[illegible]	//////////	
[illegible]	1.0							100.0	9.3	9.0

[illegible] OBSERVATIONS 230

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OPERATING LOCATION "XX"             PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE
USAFETAC, ASHEVILLE NC                                   FROM HOURLY OBSERVATIONS

STATION NUMBER: [illegible]    STATION NAME: UPPER HEYFORD RAF UK
                               LST TO UTC: - 0
.........................................................................
                                                  WIND SPEED IN KNOTS
   DIRECTION       1-4     5-9  10-14  15-19  20-24  25-29  30-34  35-[illegible]
   (DEGREES)
.........................................................................
(N) 350-010        1.9     2.[illegible]    2.[illegible]     .5     .1

     020-040       1.7     4.[illegible]    2.     .3

     050-070        .      2.[illegible]    2.[illegible]     .3

(E)  080-100        .[illegible]     1.     2.[illegible]     .

     110-130        .[illegible]     1.     1.[illegible]     .[illegible]

     140-160       1.[illegible]     [illegible].[illegible]    1.[illegible]     .[illegible]

(S) 170-190         .[illegible]     1.7    2.7    1.[illegible]     .1

     200-220       1.      .1    4.4    3.[illegible]     .[illegible]

     230-250       1.[illegible]     [illegible].[illegible]     .7    2.[illegible]     .[illegible]

(W)  260-280        .[illegible]     1.[illegible]     .[illegible]     .[illegible]     .4

     290-310       1.[illegible]      .[illegible]    2.[illegible]     .[illegible]     .1

     320-340       1.7     3.7    1.[illegible]     .      .1

.........................................................................
   VARIABLE               3.[illegible]    4.[illegible]     .[illegible]     .1

   CALM        //////////////////////////////////////////////////////////

   TOTAL          [illegible].     34.7   [illegible].[illegible]   12.[illegible]    1.[illegible]

                                 TOTAL NUMBER OF OBSERVATIONS    [illegible]
.........................................................................
```

FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

[illegible] HEYERD AAF UK PERIOD OF RECORD: JUL 7[illegible] - JUN 8[illegible]
MONTH: MAY HOURS: 12-14

WIND SPEED IN KNOTS									
[illegible]-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
.1							7.0	8.2	8.0
							3.5	7.7	7.0
							6.2	5.[illegible]	9.5
							5.5	9.9	10.5
							4.4	9.3	10.0
							[illegible].1	7.7	7.0
.1							[illegible].1	9.1	9.0
.[illegible]							14.[illegible]	1[illegible].3	10.0
.[illegible]							13.[illegible]	11.4	12.[illegible]
.4							[illegible].[illegible]	10.4	9.0
.1							5.9	[illegible].9	9.[illegible]
.1							[illegible].9	9.4	.0
.1							[illegible].3	10.7	10.[illegible]
//							1.9	//////////////	
1.[illegible]							100.[illegible]	9.3	9.0

[illegible] OBSERVATIONS [illegible]

OPERATIONS LOCATION "A" PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE
[illegible] [illegible] HOURLY [illegible]

STATION NUMBER : [illegible] STATION NAME: [illegible]
EST TIME: - [illegible]

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-[illegible]
(N) [illegible]-[illegible]	[illegible]	[illegible]	1.[illegible]	1.[illegible]					
[illegible]-[illegible]	[illegible]	4.7	2.[illegible]	.[illegible]					
[illegible]-[illegible]	[illegible]	[illegible]	[illegible]	.[illegible]	.1				
(E) [illegible]-[illegible]	.	[illegible]	2.[illegible]	.[illegible]					
[illegible]-[illegible]	.[illegible]	[illegible]	1.1	.[illegible]					
[illegible]-[illegible]	[illegible]	[illegible]	1.[illegible]	.[illegible]					
(S) [illegible]-[illegible]	[illegible]	[illegible]	[illegible]	.					
[illegible]-[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	.				
[illegible]-[illegible]	.	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]			
(W) [illegible]-[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	.1				
[illegible]-[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	.1			
[illegible]-[illegible]	[illegible]	[illegible]	[illegible]	.1	.1				
VARIABLE	.1	[illegible]	1.	[illegible]	.1				
CALM	//								
TOTAL	[illegible]	[illegible]	[illegible]	[illegible]	1.	.1			

TOTAL NUMBER OF OBSERVATIONS [illegible]

[illegible] OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
[illegible] HOURLY OBSERVATIONS

[illegible] PERIOD OF RECORD: JUL 74 - JUN 86
MONTH: MAY HOURS: 16-17

[illegible] IN KNOTS 25-29	30-34	35-39	40-49	50-54	GE 55	TOTAL %	MEAN WIND	MEDIAN WIND
						6.3	8.1	7.0
						10.0	7.9	8.0
						7.1	9.2	10.0
						5.4	10.1	11.0
						3.5	8.9	9.0
						1.2	9.3	9.0
						.1	9.0	9.0
						15.2	10.3	10.0
..						11.7	11.[illegible]	12.0
						4.[illegible]	9.[illegible]	9.0
.1						6.5	[illegible]	7.5
						.4	7.4	7.0
						6.7	10.0	10.0
//						1.0	//////////////	
.1						100.[illegible]	9.1	9.0

[illegible] OBSERVATIONS 330

[illegible] PERCENTAGE FREQUENCY OF OCCURRENCE [illegible]

STATION [illegible] STATION NAME: [illegible]

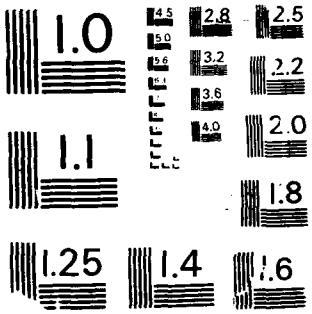
LATITUDE: [illegible]

[illegible]	[illegible]	[illegible]	10-14	15-19	20-24	[illegible]	[illegible]	[illegible]	[illegible]
([illegible]) [illegible]	[illegible]	[illegible].7	1.1	.1					
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]					
[illegible]	1. [illegible]	[illegible]	1.4	[illegible]					
([illegible]) [illegible]	[illegible]	[illegible]	[illegible]	[illegible]					
[illegible]	1. [illegible]	[illegible]	1. [illegible]						
[illegible]	[illegible]	[illegible]	[illegible]						
([illegible]) [illegible]	1. [illegible]	[illegible]	[illegible]	[illegible]					
[illegible]	[illegible]	[illegible]	[illegible]	1.1	[illegible]				
[illegible]	. [illegible]	[illegible]	[illegible]	1. [illegible]					
([illegible]) [illegible]	1. [illegible]	[illegible]	1. [illegible]	[illegible]					
[illegible]	[illegible]	[illegible]	1. [illegible]	.1	.1				
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]					
[illegible]		[illegible]	[illegible]	[illegible]					
[illegible]	//////////////////////	//////////////////////	//////////////////////	//////////////////////	//////////////////////	//////////////////////	//////////////////////	//////////////////////	//////////////////////
TOTAL	[illegible]	[illegible]	21. [illegible]	[illegible].7	[illegible]				

TOTAL [illegible] OBSERVATIONS [illegible]

AD-A211 167 SURFACE OBSERVATION CLIMATIC SUMMARIES (SOCS) FOR UPPER HEYFORD RAF UNITED KINGDOM(U) AIR FORCE ENVIRONMENTAL TECHNICAL APPLICATIONS CENTER SCOTT A.. JUN 89 3/3

UNCLASSIFIED USAFETAC/DS-89/206 F/G 4/2 NL


1.0
4.5
5.0
5.6
2.8
2.5
3.2
2.2
3.6
4.0
2.0
1.1
1.8
1.25
1.4
1.6

FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

[illegible] JR PERIOD OF RECORD: JUL 7[illegible] - JUL [illegible]
MONTH: MAY HOURS: 13-23

WIND SPEED IN KNOTS										
[illegible]	21-24	25-29	30-34	35-39	40-47	48-54	55-65	TOTAL %	MEAN WIND	MEDIAN WIND
[illegible]								5.5	5.0	5.0
[illegible]								11.[illegible]	[illegible]	[illegible]
[illegible]								[illegible].1	7.5	7.[illegible]
[illegible]								7.4	[illegible]	[illegible]
[illegible]								[illegible]	[illegible]	[illegible]
[illegible]								[illegible]	[illegible]	[illegible]
[illegible]								7.[illegible]	7.7	[illegible]
[illegible]	.2							1[illegible].2	[illegible]	[illegible]
[illegible]								[illegible]	[illegible]	[illegible]
[illegible]								[illegible].4	7.[illegible]	[illegible]
[illegible]	.1							[illegible].7	[illegible]	[illegible]
[illegible]								[illegible]	[illegible].7	[illegible]
[illegible]								1[illegible]	1[illegible]	1[illegible]
[illegible]								[illegible]	[illegible]	[illegible]
[illegible]	.3							100.0	7.0	7.0

[illegible] OF OBSERVATIONS 330

[illegible]

[illegible]

STATION [illegible] : [illegible] STATION NAME: [illegible]
LAT [illegible] LONG: - [illegible]

	WIND SPEED IN KNOTS								
DIRECTION (DEGREES)	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-44
(N) [illegible]	[illegible]	[illegible]	[illegible]						
[illegible]	[illegible]	4.	1.[illegible]	.4					
[illegible]	[illegible]	[illegible]	1.[illegible]	.[illegible]					
(E) [illegible]	[illegible]	[illegible]	1.[illegible]						
11.-1[illegible]	[illegible]	1.[illegible]	[illegible]						
[illegible]	[illegible]	[illegible]	[illegible]						
(S) 17.-1[illegible]	[illegible]	[illegible]	1.[illegible]	.1					
[illegible]	[illegible]	2.[illegible]	3.[illegible]	.[illegible]	.4				
[illegible]	[illegible]	[illegible]	1.[illegible]						
(W) [illegible]	[illegible]	[illegible]	[illegible]						
[illegible]	[illegible]	[illegible]	[illegible]						
[illegible]	[illegible]	[illegible]	[illegible]						
[illegible]		[illegible]	[illegible]	.1					
[illegible]	//////////								
TOTALS	[illegible]	44.5	12.7	1.[illegible]	.3				

TOTAL NUMBER OF OBSERVATIONS [illegible]

FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

[illegible] OVERCAST AFB, [illegible] PERIOD OF RECORD: JUL 74 - JUN 86
MONTH: MAY HOURS: 21-23

WIND SPEED IN KNOTS 20-24	25-29	30-34	35-39	40-49	50-54	OR 55	TOTAL %	MEAN WIND	MEDIAN WIND
							5.0	5.1	5.0
							9.1	5.7	5.0
							15.3	5.9	5.0
							7.1	5.4	5.0
							4.0	5.1	5.0
							5.5	5.3	5.0
							7.3	5.5	5.0
.3							14.5	7.5	7.0
							5.0	5.4	7.0
							4.0	5.4	5.0
							5.5	5.3	5.0
							5.1	5.3	5.0
							.0	10.5	9.0
//							3.0	//////////	
.3							100.0	5.8	5.0

NO. OF OBSERVATIONS 230

[illegible] STATIONS LOCATION MAP PERCENTAGE FREQUENCY OF OCCURRENCE [illegible]
[illegible] [illegible]

STATION [illegible] STATION NAME: [illegible]
EST TO UTC: - [illegible]

WIND SPEED IN KNOTS

TIME (LST)	1-4	5-9	10-16	17-21	22-26	28-32	33-36	37-40	41-[illegible]
(.) [illegible]	[illegible]	[illegible]	1.[illegible]	.[illegible]	.[illegible]				
[illegible]	.	[illegible]	2.[illegible]	.[illegible]					
[illegible]	1.	[illegible]	1.[illegible]	.4	.				
(.) [illegible]	1.[illegible]	[illegible]	1.7	.[illegible]					
11-1[illegible]	1.[illegible]	1.[illegible]	.[illegible]	.[illegible]					
[illegible]	[illegible]	[illegible]	1.1	.[illegible]					
(.) 17[illegible]	[illegible]	[illegible]	[illegible]	.[illegible]	.1				
[illegible]	[illegible]	[illegible]	[illegible]	1.4	.[illegible]				
[illegible]	1.	[illegible]	[illegible]	1.[illegible]	.[illegible]	.[illegible]			
(.) [illegible]	1.[illegible]	1.4	1.	.[illegible]	.1				
[illegible]	1.7	[illegible]	1.[illegible]	.[illegible]	.1	.[illegible]			
[illegible]	[illegible]	[illegible]	1.[illegible]	.[illegible]	.[illegible]				
[illegible]	.[illegible]	1.[illegible]	1.	.9	.1				
[illegible]	//								
[illegible]	[illegible]	[illegible]	[illegible]	5.[illegible]	.[illegible]				

TOTAL NUMBER OF OBSERVATIONS [illegible]

TOTAL FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

[illegible] OPEN WATERS [illegible] PERIOD OF RECORD: JUL 73 - JUN [illegible]
MONTH: MAY HOURS: ALL

WIND SPEED IN KNOTS										
[illegible]	22-24	25-27	28-30	31-33	34-40	41-54	GE 55	TOTAL %	MEAN mins	MEDIAN mins
[illegible]	.0							7.4	6.6	6.0
[illegible]								9.4	7.0	6.0
[illegible]	[illegible]							7.7	7.[illegible]	7.0
[illegible]								[illegible].0	7.7	[illegible].0
[illegible]								4.2	5.7	5.0
[illegible]								[illegible]	6.4	[illegible]
[illegible]	.1							3.3	7.5	7.0
[illegible]	.2							14.3	[illegible]	[illegible].0
[illegible]	.2	.0						9.1	9.1	[illegible].0
[illegible]	.1							4.2	7.[illegible]	7.0
[illegible]	.1	.0						5.2	7.6	7.0
[illegible]	.0							[illegible]	5.7	[illegible].0
[illegible]	.1							3.3	10.7	10.0
//////////								[illegible]	//////////	
[illegible]	[illegible]							100.0	7.3	7.0

NUMBER OF OBSERVATIONS 7440

[illegible] PERCENTAGE FREQUENCY OF [illegible] SURFACE WIND [illegible]
[illegible] FROM [illegible] OBSERVATIONS

STATION NUMBER: [illegible] STATION NAME: [illegible] [illegible]
LAT TENTHS: - 0 [illegible]

CEILING: [illegible] NOT LESS THAN 1000 FEET WITH VISIBILITY OF 1/2 MILE [illegible]
[illegible]%
VISIBILITY OF 1/2 MILE (800 METERS) NOT LESS THAN 5 MILES (8 [illegible]

	WIND SPEED IN KNOTS								
[illegible]	1-[illegible]	[illegible]-[illegible]	11-14	15-19	20-24	25-[illegible]	[illegible]-[illegible]	[illegible]-[illegible]	[illegible]
(2,[illegible])									
(N) [illegible]-[illegible]	[illegible]	[illegible]	3.[illegible]	.4					
[illegible]-[illegible]	[illegible]	2.5	3.[illegible]	.3					
[illegible]-[illegible]	1.[illegible]	[illegible]	[illegible]	.[illegible]					
(NE) [illegible]-[illegible]	1.[illegible]	[illegible]	1.[illegible]						
[illegible]-[illegible]	1.[illegible]	[illegible]	.[illegible]						
[illegible]-[illegible]	.[illegible]	[illegible]	.[illegible]						
(E) 170-[illegible]	1.[illegible]	.2	[illegible]	.[illegible]	.2				
[illegible]-[illegible]	.[illegible]	[illegible]	[illegible].1	1.2					
[illegible]-[illegible]	1.7	[illegible]	1.[illegible]						
(S) [illegible]-[illegible]	.7	.[illegible]	.[illegible]	.1					
[illegible]-[illegible]	.7	1.3	.[illegible]	.3					
[illegible]-[illegible]	.7	[illegible].3	1.[illegible]	.1					
[illegible]									
CALM	//								
TOTAL	[illegible]	42.7	24.3	3.[illegible]	.2				

TOTAL NUMBER OF OBSERVATIONS 1132

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM SUPPLY OBSERVATIONS

SITE NAME: [illegible] AFB [illegible] PERIOD OF RECORD: JUL 7[illegible] - JUN [illegible]
UTC: - 0 MONTH: MAY HOURS: ALL

[illegible] LESS THAN 1000 FEET WITH VISIBILITY OF 1/2 MILE (0800 METERS).
AND/OR
[illegible] MILE (1600 METERS) BUT LESS THAN 3 MILES (4800 METERS) WITH CEILING OF 200 FEET.

	WIND SPEED IN KNOTS										
	1-4	5-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	TOTAL %	MEAN WIND	MEDIAN WIND
[illegible]	[illegible]	.4								11.9	7.5	7.0
[illegible]	[illegible]	.3								14.0	7.4	7.0
[illegible]	[illegible]	.6								3.8	8.0	7.0
[illegible]	[illegible]									5.5	6.9	5.[illegible]
[illegible]	[illegible]									4.0	5.4	5.0
[illegible]	[illegible]									5.8	5.4	4.5
[illegible]	[illegible]	.5	.2							5.3	[illegible].7	4.0
[illegible]	.3	1.2								13.4	[illegible]	9.0
[illegible]	[illegible]									7.2	7.1	5.[illegible]
[illegible]	[illegible]	.1								1.8	[illegible].4	4.0
[illegible]	[illegible]	.3								3.2	7.0	7.0
[illegible]	[illegible]	.1								10.0	6.8	7.0
//////	//////	//////	//////	//////	//////	//////	//////	//////	//////	5.8	//////	//////
[illegible]	.3	3.5	.2							100.0	7.0	7.0

TOTAL NUMBER OF OBSERVATIONS 1130

[illegible] PERCENTAGE FREQUENCY OF [illegible]
[illegible]

STATION [illegible] : [illegible] STATION NAME: [illegible]
LST TO UTC: - [illegible]

DIRECTION (DEGREES)	1-[illegible]	[illegible]-14	15-19	20-24	25-29	30-34	35-39	40-[illegible]
WIND SPEED IN KNOTS								
(N) [illegible]-[illegible]	.[illegible]	1.[illegible]	.[illegible]					
[illegible]-[illegible]	.1	[illegible]	.[illegible]	.2				
[illegible]-[illegible]	1.1	[illegible]	[illegible]	.2				
(E) [illegible]-[illegible]	1.[illegible]	1.[illegible]	.[illegible]	.2				
[illegible]-[illegible]	1.[illegible]	.3						
[illegible]-[illegible]	.[illegible]	.7	[illegible] .1					
(S) [illegible]-[illegible]	.1	1.[illegible]	.[illegible]	.1				
[illegible]-[illegible]	.[illegible]	.[illegible]	1.[illegible]	.7				
[illegible]-[illegible]	.[illegible]	.2	[illegible]	.2				
(W) [illegible]-[illegible]	1.[illegible]	[illegible]	.					
[illegible]-[illegible]	[illegible]	.7	.7					
[illegible]-[illegible]	.1	[illegible]	.[illegible]					
VARIABLE		.3	.[illegible]					
CALM	//							
TOTALS	[illegible]	[illegible]	10.[illegible]	1.[illegible]				

TOTAL NUMBER OF OBSERVATIONS [illegible]

FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

[illegible] AFB [illegible] PERIOD OF RECORD: JUL 7[illegible] - JUN 9[illegible]
MONTH: JUN HOURS: 00-02

WIND SPEED IN KNOTS [illegible]-24	25-29	30-34	35-39	40-49	50-64	65-99	TOTAL %	MEAN WIND	MEDIAN WIND
							5.3	4.3	4.0
							12.0	5.1	5.0
							5.[illegible]	7.[illegible]	[illegible].0
							3.7	6.5	6.0
							1.3	3.[illegible]	3.0
							3.[illegible]	3.0	3.0
							4.1	5.4	4.0
							12.0	5.2	5.0
							1[illegible].3	5.[illegible]	7.0
							7.2	5.3	5.[illegible]
							13.7	5.3	5.0
							1[illegible].4	4.4	4.0
							.6	2.5	0.[illegible]
//////////	//////////	//////////	//////////	//////////	//////////	//////////	[illegible].1	//////////	//////////
							100.0	5.3	5.0

[illegible] OBSERVATIONS [illegible]

```
[illegible]                         [illegible]
[illegible]
STATI[illegible] :  [illegible]     STATI[illegible] : [illegible]
                                    [illegible] : - [illegible]
.......................................................................................
                                                  [illegible]
  [illegible]        [illegible]  [illegible]  [illegible]-1[illegible]  [illegible]
  ( [illegible] )
.......................................................................................
( ) [illegible]-[illegible]     [illegible].7   .[illegible]   .
    [illegible]-[illegible]     [illegible].    [illegible].   .[illegible]   .[illegible]
    [illegible]-[illegible]     1.    [illegible].   1.[illegible]   .1
( ) [illegible]-1[illegible]    1.[illegible]   1.[illegible]   .[illegible]   .[illegible]   .1
    11-1[illegible]        .[illegible]   .[illegible]   .[illegible]
    1[illegible]-1         1.    .[illegible]
( ) [illegible]-1[illegible]    [illegible].   .     .     .
    [illegible]-[illegible]     .[illegible]   [illegible].   1.[illegible]   .1
    [illegible]-[illegible]     .[illegible]   .7   .[illegible]   .1
( ) [illegible]-[illegible]     .[illegible]   [illegible].1   .[illegible]
    [illegible]-[illegible]     .1   [illegible].[illegible]   [illegible].
    [illegible]-[illegible]     [illegible].[illegible]   [illegible].1   .[illegible]
.......................................................................................
   [illegible]                .7     .1     .1
   [illegible]       ///////////////////////////////////////////////////////////////
   [illegible]        [illegible].    [illegible].[illegible]   11.1   1.1   .1
                              T[illegible]TAL [illegible] [illegible]VATI[illegible]S  [illegible]
.......................................................................................
```

[illegible] FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION [illegible] AND WIND SPEED
[illegible] OBSERVATIONS

[illegible] PERIOD OF RECORD: JUL 7[illegible] - JU[illegible]
[illegible] - [illegible] MONTH: JUL HOURS: 03-05

WIND SPEED IN KNOTS										
[illegible]-1[illegible]	2[illegible]-24	25-[illegible]	3[illegible]-36	3[illegible]-[illegible]	4[illegible]-4[illegible]	4[illegible]-54	5[illegible]-55	TOTAL %	MEAN WIND	MEAN WIND
								7.[illegible]	[illegible].5	[illegible].3
.[illegible]								3.[illegible]	[illegible].[illegible]	[illegible].[illegible]
.1								[illegible].3	3.1	.3
.[illegible]	.1							3.[illegible]	[illegible].[illegible]	[illegible].7
								1.7	[illegible].[illegible]	3.[illegible]
								2.[illegible]	[illegible].[illegible]	[illegible].[illegible]
.								[illegible].[illegible]	[illegible].[illegible]	[illegible].[illegible]
.1								1[illegible].1	[illegible].[illegible]	[illegible].[illegible]
.1								1[illegible].[illegible]	[illegible].7	7.[illegible]
								[illegible].[illegible]	[illegible].[illegible]	[illegible].[illegible]
								[illegible].[illegible]	3.1	7.[illegible]
								11.[illegible]	[illegible].[illegible]	[illegible].[illegible]
.1								.[illegible]	[illegible].1	[illegible].[illegible]
//								[illegible].[illegible]	//////////////	
1.1	.1							1[illegible].[illegible]	[illegible].[illegible]	[illegible].[illegible]

[illegible] OBSERVATIONS [illegible]

```
[illegible]
[illegible]

[illegible]
[illegible]
..............................................................................
                                                      [illegible]
  [illegible]        [illegible]   [illegible]  10-14  [illegible]  [illegible]
  [illegible]
..............................................................................
(  )  [illegible]      .       .       .       .1

        [illegible]    .       .       .       .1

        [illegible]    .       .       .       .

(  )    [illegible]    .       .       .

        [illegible]    .       .

        [illegible]    .       .       .

(  )    [illegible]    .       .       .       .

        [illegible]    .       .       .       .

        [illegible]    .       .       .       .

(  )    [illegible]    .       .       .       .

        [illegible]    .       .       .       .

        [illegible]    .       .       .       .
..............................................................................
  [illegible]          .       .       .       .       .1

  [illegible]     //////////////////////////////////////////////////////////

  [illegible]          .       .       .       .       .1

                                    T TAL [illegible]
..............................................................................
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TOTAL FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

[illegible]: [illegible] AFB [illegible] PERIOD OF RECORD: JUL 7[illegible] - JUN [illegible]
[illegible]: - [illegible] MONTH: JUN HOURS: 06-0[illegible]

	WIND SPEED IN KNOTS										
	1-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	56-65	TOTAL %	MEAN WIND	MEDIAN WIND
	.1									5.4	5.7	5.0
	.1									7.3	[illegible]	5.[illegible]
	.1									[illegible].7	7.7	[illegible]
										4.3	5.5	5.[illegible]
										[illegible].2	3.4	3.[illegible]
										3.3	4.[illegible]	3.[illegible]
	.2									3.[illegible]	6.2	5.8
	.[illegible]									14.[illegible]	[illegible]	5.[illegible]
	.[illegible]									14.1	7.[illegible]	[illegible]
	.[illegible]									7.3	7.[illegible]	7.[illegible]
	.[illegible]									.[illegible]	[illegible]	[illegible]
	.4									12.[illegible]	5.7	[illegible]
	.4	.1								2.7	3.7	3.[illegible]
//////////										5.1	//////////	
	[illegible]	.1								100.[illegible]	5.5	5.5

[illegible] OF OBSERVATIONS [illegible]

OPERATING LOCATION "AW"
USA-STAC, ASHEVILLE, NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND
FROM HOURLY OBSERVATIONS

STATION NUMBER: [illegible] STATION NAME: [illegible]
LST TO UTC: - 0

(DIRECTION)	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	-
	WIND SPEED IN KNOTS									
(N) [illegible]	[illegible]	3.1	1.3	.1						
[illegible]	1.1	[illegible]	[illegible]	.1						
[illegible]	[illegible]	[illegible]	2.2	[illegible]						
(E) [illegible]	[illegible]	[illegible]	[illegible]	[illegible]						
[illegible]	[illegible]	1.3	[illegible]							
[illegible]	1.1	[illegible]	[illegible]	.1						
(S) [illegible]	1.1	[illegible]	[illegible]	[illegible]						
[illegible]	[illegible]	2.3	[illegible]	.5	.3					
[illegible]	[illegible]	[illegible]	[illegible]	1.0	[illegible]					
(W) [illegible]	[illegible]	4.1	[illegible]	1.						
[illegible]	1.	[illegible]	2.[illegible]	[illegible]						
[illegible]	[illegible]	[illegible]	2.1	[illegible]						
VARIABLE		[illegible]	1.	.4	.2					
CALM	//									
TOTALS	[illegible]	44.3	[illegible]	[illegible]	.7					

TOTAL NUMBER OF OBSERVATIONS [illegible]

PERCENT FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION: UPPER HEYFORD RAF UK PERIOD OF RECORD: JUL 7[illegible] - JUN 8[illegible]
LAT: [illegible] MONTH: JUN HOURS: 09-11

	WIND SPEED IN KNOTS										
	1-19	20-24	25-29	30-34	35-39	40-49	50-54	55-65	TOTAL %	MEAN WIND	MEDIAN WIND
	.1								5.7	6.5	5.0
	.1								5.0	6.5	5.0
	.0								7.9	5.0	5.0
	.0								4.1	7.5	5.0
									2.4	5.1	4.5
	.1								3.4	5.5	4.0
	.1								5.3	5.3	5.5
	.5	.3							9.1	8.3	8.5
	1.0	.2							13.0	9.0	10.0
	1.0								9.4	8.1	8.0
	.4								5.6	5.3	3.0
	.0								11.2	7.3	7.0
	.4	.2							4.1	9.5	9.0
	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	3.1	//////////	
	2.0	.7							100.0	7.3	6.0

NUMBER OF OBSERVATIONS 296

OPERATING LOCATION "WAW" PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DI-
JOANNIAS, [illegible] NC [illegible] MONTHLY [illegible] PATTERN

STATION NUMBER: [illegible] STATION NAME: JOANNIAS [illegible] AFB [illegible] PERIOD: [illegible]
LST TO UTC: - 5 [illegible]: [illegible]

DIRECTION (TRUE NORTH)	WIND SPEED IN KNOTS 1-4	5-9	10-16	17-21	22-26	27-32	33-36	37-41	42-46	[illegible]
(N) 3[illegible]-01	1.7	3.1	.4	.2						
02[illegible]-06	1.[illegible]	4.4	.[illegible]							
07[illegible]-[illegible]	1.4	[illegible]	1.[illegible]	.5						
(E) [illegible]-1[illegible]	1.[illegible]	2.1	1.[illegible]	.[illegible]						
11[illegible]-1[illegible]	.[illegible]	.	.7							
1[illegible]-1[illegible]	1.[illegible]	1.[illegible]	.							
(S) 17[illegible]-1[illegible]	1.[illegible]	1.[illegible]	.[illegible]	.[illegible]						
2[illegible]-2[illegible]	1.[illegible]	[illegible]	3.[illegible]	1.0	.7					
[illegible]	1.[illegible]	.[illegible]	.	1.7	.1					
(W) [illegible]-3[illegible]	1.1	[illegible]	[illegible]	1.7						
3[illegible]-[illegible]	1.[illegible]	[illegible]	[illegible]	.7	.1					
[illegible]-34	[illegible]	[illegible]	1.7	.1						
VARIABLE		4.3	3.4	.5	.1					
CALM	//									
TOTALS	1[illegible].1	4[illegible].1	3[illegible].3	7.5	1.[illegible]					

TOTAL NUMBER OF OBSERVATIONS [illegible]

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STA: [illegible] AFB UK PERIOD OF RECORD: JUL 7[illegible] - JUN [illegible]
CD: - 0 MONTH: JUN HOURS: 12-14

WIND SPEED IN KNOTS										
1-19	20-24	25-29	30-34	35-39	40-49	50-54	55-65	TOTAL %	MEAN WIND	MEDIAN WIND
.2								5.9	6.5	7.[illegible]
								5.4	5.4	5.[illegible]
.5								5.3	4.3	[illegible]
.2								4.9	4.3	4.[illegible]
								7.2	7.2	7.5
								4.[illegible]	5.1	[illegible]
.3								4.3	7.4	7.[illegible]
1.9	.7							10.9	9.[illegible]	9.[illegible]
1.7	.1							14.7	10.1	10.[illegible]
1.7								11.5	10.[illegible]	10.[illegible]
.7	.1							10.7	9.9	9.9
.1								5.4	5.4	5.5
.5	.1							3.4	9.3	9.9
//////////								2.1	//////////	
7.5	1.[illegible]							100.0	[illegible]	[illegible]

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION WAW PERCENTAGE FREQUENCY OF OCCURRENCE BY STRATA WITH
USAFTAC, FORT WILLIAM MC FROM JULY 1955 - [illegible]

STATION NUMBER: [illegible] STATION NAME: [illegible] LAT: [illegible]
EST TIME: - 0 LONG: [illegible]

DIRECTION (TRUE)	WIND SPEED IN KNOTS 1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-[illegible]
(N) [illegible]	[illegible]	.7	.9	.2					
[illegible]	1.[illegible]	4.7	.[illegible]	.5					
[illegible]	1.[illegible]	[illegible]	2.2	.2					
(E) [illegible]	.[illegible]	1.2	1.[illegible]	.[illegible]	.1				
[illegible]	.[illegible]	1.[illegible]	.3	.1					
[illegible]	1.	1.[illegible]	.4	.1	.1				
(S) [illegible]	.[illegible]	[illegible]	1.[illegible]	.3					
[illegible]	1.	[illegible]	[illegible]	1.[illegible]	.[illegible]				
[illegible]	1.[illegible]	[illegible]	[illegible]	1.4	.[illegible]				
(W) [illegible]	1.[illegible]	4.1	[illegible]	1.[illegible]	.1				
[illegible]	1.	[illegible]	[illegible]	1.4					
[illegible]	[illegible]	[illegible]	[illegible]	.[illegible]					
VARIABLE		[illegible]	2.1	.3					
CALM	//								
TOTALS	[illegible]	41.5	23.7	[illegible]	1.1				

TOTAL NUMBER OF OBSERVATIONS [illegible]

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NAME: UPPER HOYERNO RAF UK PERIOD OF RECORD: JUL 76 - JUN 85
LAT/LONG: - 0 MONTH: JUN HOURS: 15-17

WIND SPEED IN KNOTS											
0-14	15-19	20-24	25-29	30-34	35-39	40-47	48-54	GE 55	TOTAL %	MEAN WIND	MEDIAN WIND
.5	.2								5.2	6.6	6.0
.	.5								7.8	7.1	6.0
.3	.2								5.4	[illegible]	[illegible]
1.3	.5	.1							4.3	10.3	11.0
.5	.1								2.2	7.3	6.5
.	.1	.1							3.5	6.3	[illegible]
.5	.3								5.1	7.2	7.5
.7	1.4	.4							9.7	9.3	10.0
.4	1.4	.4							14.1	10.3	10.0
.3	1.2	.1							10.6	9.4	9.5
.1	1.4								12.3	9.1	9.0
.	.4								[illegible]	7.5	7.0
2.1	.3								5.2	9.4	9.0
//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	2.1	//////////	//////////
9.7	9.3	1.1							100.0	8.5	8.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION: "A"
ISABELLA, PUERTO RICO

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WI[illegible]
FROM HOURLY OBSERVATIONS

STATION NUMBER: [illegible] STATION NAME: UPPER [illegible] AFB [illegible]
EST TJ UTC: - [illegible]

DIRECTION (TRUE)	WIND SPEED IN KNOTS 1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-44
(N) [illegible]-[illegible]	[illegible]	[illegible]	[illegible]	.1					
[illegible]-[illegible]	[illegible]	[illegible]	1.3	.2					
[illegible]-[illegible]	[illegible]	[illegible]	1.7	.2					
(E) [illegible]-[illegible]	[illegible]	[illegible]	1.4	.4					
[illegible]-[illegible]	[illegible]	.6	.1						
[illegible]-[illegible]	[illegible]	[illegible]	.3	.2					
(S) [illegible]-[illegible]	[illegible]	[illegible]	[illegible]						
[illegible]-[illegible]	[illegible]	[illegible]	[illegible]	1.1	.1				
[illegible]-[illegible]	[illegible]	[illegible]	.4	.7	.2				
(W) [illegible]-[illegible]	[illegible]	[illegible]	[illegible]	.2					
[illegible]-[illegible]	[illegible]	[illegible]	2.7	.2					
[illegible]-[illegible]	[illegible]	[illegible]	1.1						
VARIABLE		.9	.7	.1					
CALM	//////////								
TOTALS	[illegible]	41.4	22.1	3.4	.3				

TOTAL NUMBER OF OBSERVATIONS [illegible]

TABLE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

: UPPER HEYFORD RAF UK PERIOD OF RECORD: JUL 73 - JUN 88
- [illegible] MONTH: JUN HOURS: 16-20

WIND SPEED IN KNOTS										
-17	20-24	25-29	30-34	35-39	40-49	50-54	GE 55	TOTAL %	MEAN WIND	MEDIAN WIND
.1								7.2	5.0	4.0
.2								7.7	6.7	6.0
.3								5.7	6.8	7.0
.4								7.1	6.7	6.0
								1.1	6.2	5.5
.2								3.1	6.4	4.0
								3.8	6.5	6.0
1.1	.1							11.1	6.3	4.0
.7	.2							13.5	8.1	7.0
.3								10.1	7.3	7.0
.2								4.9	8.0	8.0
								15.6	5.5	5.0
.1								1.2	10.7	10.0
//////////								5.0	//////////	
2.4	.3							100.0	6.4	7.0

NUMBER OF OBSERVATIONS 900

OPERATING LOCATION: NAW
USAFETAC, ASHEVILLE, NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WI
FROM HOURLY OBSERVATIONS

STATION NUMBER: [illegible] STATION NAME: UPPER [illegible] [illegible]
LST TO UTC: - 0

DIR-STD (KNOTS)	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-43
	WIND SPEED IN KNOTS								
(N) 350-21	[illegible]	[illegible]	[illegible]						
22-[illegible]	[illegible]	[illegible]	[illegible]						
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]					
(E) [illegible]	[illegible]	[illegible]	1.1	[illegible]					
11-13[illegible]	[illegible]	[illegible]							
14[illegible]-1[illegible]	[illegible]	[illegible]	[illegible]	[illegible]					
(S) 17[illegible]-1[illegible]	[illegible]	[illegible]	[illegible]	[illegible]					
2[illegible]-2[illegible]	[illegible]	[illegible]	[illegible]	[illegible]					
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
(W) [illegible]	[illegible]	[illegible]	[illegible]						
3[illegible]-31[illegible]	[illegible]	[illegible]	[illegible]	[illegible]					
3[illegible]-36[illegible]	[illegible]	[illegible]	[illegible]						
VARIABLE	.7								
CALM	//								
TOTALS	[illegible].1	[illegible]	11.[illegible]	2.[illegible]	.[illegible]				

TOTAL NUMBER OF OBSERVATIONS [illegible]

[illegible] FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

[illegible] : UPPER HEYFORD RAF UK PERIOD OF RECORD: JUL 79 - JUN 88
[illegible] - 0 MONTH: JUN HOURS: 21-23

WIND SPEED IN KNOTS										
-10	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
								5.3	4.4	4.0
								8.9	5.1	4.5
.0								5.1	7.0	7.0
.2								5.6	5.5	5.5
								2.4	3.3	3.0
.1								2.2	4.5	3.5
.0								5.2	5.5	5.0
.4								10.7	4.3	5.0
.1	.2							14.1	7.[illegible]	7.0
								4.2	5.3	5.0
.3								9.0	6.5	5.0
								9.3	4.8	4.0
								.7	7.[illegible]	5.0
//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	10.2	//////////	//////////
1.0	.2							100.0	5.5	5.0

NUMBER OF OBSERVATIONS 800

OPERATING LOCATION "A" PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WI
[illegible], ARTIFICIAL [illegible] [illegible] ANNUALLY [illegible] OBSERVATIONS

STATION NUMBER: [illegible] STATION NAME: [illegible] [illegible]
EST TO UTC: - [illegible]

[illegible]	WIND SPEED IN KNOTS 1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-[illegible]
(DEGREES)									
(.) [illegible]	[illegible].1	[illegible]	[illegible]	.1					
[illegible]	.	[illegible]	.7	.[illegible]					
[illegible]	[illegible].7	[illegible]	1.[illegible]	.4					
(.) [illegible]	1.[illegible]	[illegible]	1.[illegible]	.2	.[illegible]				
[illegible]	1.1	.7	.[illegible]	.[illegible]					
[illegible]	1.	1.1	.[illegible]	.1	.				
(.) [illegible]	1.[illegible]	1.[illegible]	.[illegible]	.[illegible]					
[illegible]	[illegible]	[illegible]	[illegible]	.[illegible]	.				
[illegible]	[illegible].[illegible]	[illegible]	[illegible]	.[illegible]	.[illegible]				
(.) [illegible]	1.	[illegible].1	[illegible]	.[illegible]	.[illegible]				
[illegible]	[illegible].[illegible]	[illegible]	[illegible]	.[illegible]	.[illegible]				
[illegible]	[illegible]	[illegible].7	1.[illegible]	.2					
[illegible]	.	[illegible].1	1.1	.3	.1				
CALM	//								
TOTALS	[illegible]	[illegible].7	[illegible].2	4.2	.[illegible]				

TOTAL NUMBER OF OBSERVATIONS [illegible]

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STA: UPPER HAYFORD AAF UK PERIOD OF RECORD: JUL 74 - JUN 84
HT: - 0 MONTH: JUN HOURS: ALL

	WIND SPEED IN KNOTS										
	1-19	20-24	25-29	30-34	35-39	40-49	50-64	65-65	TOTAL	MEAN WIND	MEDIAN WIND
	.1								5.5	5.5	5.0
	..								7.7	7.7	7.0
	.4								7.4	7.5	7.0
	.4	.1							4.7	7.3	7.0
	.								2.1	5.5	4.0
	.1	.							3.3	5.2	4.0
	.2								4.5	5.5	4.0
	.7	.							11.2	7.1	7.0
	.	.2							14.3	7.5	7.0
	.5	.1							.5	.1	7.0
	.4	..							4.7	7.1	7.0
	.2								14.4	5.2	5.0
	.3	.1							3.5	3.5	4.0
									.5		
	4.2	.5							100.0	5.5	7.0

TOTAL NUMBER OF OBSERVATIONS 7224

```
OPERATING LOCATION, [illegible]          PERCENTAGE FREQUENCY OF OCCURRENCE [illegible]
[illegible]                                               [illegible] HOURLY [illegible]

STATION NO [illegible]      STATION NAME: [illegible]
                            LST [illegible] : - [illegible]
.............................................................................
[illegible] LESS THAN 1500 FEET WITH VISIBILITY [illegible]
                                AND/OR
            VISIBILITY [illegible] 1/2 MILE (800 METERS) BUT LESS THAN 3 MILES [illegible]
.............................................................................
                                         WIND SPEED IN KNOTS
  [illegible]        1-3   4-6  7-10  11-16  17-21  22-27  28-33  [illegible]
.............................................................................
  [illegible]
.............................................................................
( ) [illegible]       .7   [illegible]   .[illegible]   .[illegible]

    [illegible]       .[illegible]  [illegible]   1.[illegible]   .[illegible]

    [illegible]       .[illegible]   .[illegible]   [illegible]   .[illegible]

( ) [illegible]       1.[illegible]   [illegible]   1.1   .1

    [illegible]       [illegible]   1.[illegible]   .[illegible]

    [illegible]       .[illegible]   1.[illegible]   1.[illegible]   .[illegible]

( ) [illegible]       [illegible]   [illegible]   [illegible]   1.[illegible]

    [illegible]       [illegible]   [illegible]   [illegible]   1.1   .[illegible]

    [illegible]       [illegible]   .[illegible]   [illegible]         .[illegible]

( ) [illegible]       .7   .[illegible]   .[illegible]

    [illegible]       .[illegible]   [illegible]   .[illegible]

    [illegible]       .7   [illegible]   .[illegible]

.............................................................................
  [illegible]

  [illegible]     //////////////////////////////////////////////////////////

  TOTALS      [illegible]   [illegible]   1[illegible]   [illegible]   .[illegible]

                              TOTAL NUMBER OF OBS [illegible]
.............................................................................
```

TABLE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

[illegible] PERIOD OF RECORD: JUL 7[illegible] - JUN 8[illegible]
[illegible] MONTH: JUN HOURS: ALL

[illegible] 1000 FEET WITH VISIBILITY OF 1/2 MILE ([illegible] METERS).
[illegible] METERS) BUT LESS THAN 3 MILES (4800 METERS) WITH CEILING OF 200 FEET.

WIND SPEED IN KNOTS [illegible]-19	20-24	25-29	30-34	35-39	40-49	50-64	65 [illegible]	TOTAL %	MEAN WIND	MEDIAN WIND
.3								5.4	5.3	5.0
.7								15.0	6.6	7.0
.5								12.1	7.5	7.0
.1								5.[illegible]	5.7	5.0
								2.7	5.4	5.0
.1								4.5	4.0	4.5
.1								3.5	4.0	7.0
1.1	.2							16.3	7.7	7.0
	.2							10.6	7.3	8.0
								[illegible]	6.1	5.0
								2.[illegible]	6.4	7.0
								6.3	5.1	4.0
//								6.3	//////////	
.	.5							100.0	6.0	5.0

[illegible] OF OBSERVATIONS 1067

OPERATIONS CLIMATOLOGY [illegible]
USAFETAC, ASHEVILLE, NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND [illegible]
FROM A DAILY [illegible] OBSERVATIONS

STATION NUMBER: [illegible] STATION NAME: [illegible] AFB [illegible] YRS: [illegible]
LST TO GMT: [illegible] MONTH: [illegible]

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	[illegible]
(N) [illegible]-210	[illegible]	1.[illegible]	.1							
[illegible]-240	[illegible]	[illegible]	[illegible]	.3						
[illegible]-270	[illegible]	[illegible]	[illegible]							
(W) [illegible]-300	[illegible]	1.[illegible]	.1							
[illegible]-330	1.1	.1								
[illegible]-360	1.	[illegible]								
(N) [illegible]-[illegible]	[illegible]	1.[illegible]	.1							
[illegible]-[illegible]	[illegible]	[illegible]	1.7							
[illegible]-[illegible]	[illegible]	[illegible]	1.7							
(E) [illegible]-[illegible]	[illegible]	[illegible]	[illegible]	.1						
[illegible]-[illegible]	[illegible]	7.	1.[illegible]							
[illegible]-[illegible]	7.	[illegible]	1.1	.1	.2					
VARIABLE										
CALM	//									
TOTALS	[illegible]	[illegible]	7.	[illegible]	[illegible]					

TOTAL NUMBER OF OBSERVATIONS [illegible]

```
NTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
              FROM HOURLY OBSERVATIONS

N : UPPER HEYFORD RAF UK                  PERIOD OF RECORD:  JUL 73 - JUN 84
N: - 0                                    MONTH: JUL      HOURS: 00-02
..........................................................................
        WIND SPEED IN KNOTS
  15-19  20-24  25-29  30-34  35-39  40-49  50-64  GE 65   TOTAL   MEAN  MEDIAN
                                                             %     WIND   WIND
..........................................................................
                                                            5.0    4.2    4.0

    .3                                                      5.9    5.8    5.0

                                                            5.5    5.2    5.0

                                                            4.4    3.9    3.0

                                                            1.2    2.7    2.0

                                                            2.9    3.4    3.0

                                                            4.9    4.4    4.0

                                                           11.5    5.0    5.0

                                                           14.4    4.8    5.0

    .1                                                      6.0    6.0    6.0

                                                           13.9    5.1    6.0

    .1     .2                                              14.1    5.2    4.0
..........................................................................

//////////////////////////////////////////////////////////   9.6  /////////////

    .5     .2                                             100.0    4.8    5.0

TAL NUMBER OF OBSERVATIONS     930
..........................................................................
```

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OPERATING LOCATION "A"              PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WI[illegible]
USAFETAC, ASHEVILLE NC                                  FROM HOURLY OBSERVATIONS

STATION NUMBER: [illegible]     STATION NAME: UPPER HEYFORD RAF UK                  PERI[illegible]
                                LST TO UTC: - 0                                     MONTH: [illegible]
.........................................................................................
                                                    WIND SPEED IN KNOTS
   DIRECTION        1-4     5-9   10-14   15-19   20-24   25-29   30-34   35-39   40-49
   (DEGREES)
.........................................................................................
(N) 350-010       [illegible].4     2.[illegible]     .4

    020-040       [illegible].[illegible]     2.5      .[illegible]      .1

    050-070       [illegible].4     1.[illegible]      .[illegible]

(E) 080-100       1.[illegible]      .[illegible]

    110-130        .[illegible]      .3      .1

    140-160       [illegible].       .[illegible]      .1

(S) 170-190       [illegible].[illegible]     1.[illegible]      .1

    200-220       [illegible].7     [illegible].[illegible]     1.[illegible]      .1

    230-250       [illegible].[illegible]     [illegible].[illegible]     1.7

(W) 260-280       [illegible].[illegible]     4.[illegible]      .[illegible]      .[illegible]

    290-310       [illegible].[illegible]     [illegible].7     1.[illegible]

    320-340       7.[illegible]     [illegible].[illegible]     1.2      .3

.........................................................................................
   VARIABLE

   CALM        /////////////////////////////////////////////////////////////////////////

   TOTALS        [illegible].7  [illegible].[illegible]   [illegible].2      .[illegible]

                                       TOTAL NUMBER OF OBSERVATIONS:   [illegible]
.........................................................................................
```

```
NTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
                 FROM HOURLY OBSERVATIONS

: UPPER HEYFORD RAF UK                  PERIOD OF RECORD:  JUL 78 - JUN 88
: - 0                                   MONTH: JUL     HOURS: 03-05
.........................................................................
      WIND SPEED IN KNOTS
 15-19  20-24  25-29  30-34  35-39  40-49  50-64  GE 65   TOTAL  MEAN  MEDIAN
                                                            %    WIND   WIND
.........................................................................
                                                          7.7    4.5    4.0

   .1                                                     6.1    5.6    5.0

                                                          4.6    5.3    5.0

                                                          1.9    3.6    4.0

                                                          1.3    4.4    3.0

                                                          3.5    3.2    2.0

                                                          6.3    4.4    4.0

   .1                                                    12.5    5.5    5.0

                                                         11.5    5.3    5.0

   .4                                                     7.4    6.1    5.0

                                                         12.2    6.3    5.0

   .3                                                    14.9    5.5    4.0

.........................................................................

//////////////////////////////////////////////////////// 10.5  /////////////

   .                                                    100.0    4.9    5.0
TAL NUMBER OF OBSERVATIONS   930
.........................................................................
```

OPERATING LOCATION MAP — PERCENTAGE FREQUENCY OF [illegible] SURFACE WIND
USAFTAC, ASHEVILLE NC — [illegible] ONLY [illegible] OBSERVATIONS

STATION NUMBER: 35-53 — STATION NAME: UPPER [illegible] AFB — [illegible]
EST TZ UTC: - [illegible] — [illegible]

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-47
(A) 350-[illegible]	[illegible]	3.[illegible]	1.[illegible]	.2					
[illegible]-34	[illegible]	2.7	.[illegible]						
[illegible]-37	1.[illegible]	3.1	1.1	.[illegible]					
(B) [illegible]-1[illegible]	1.[illegible]	.[illegible]	.[illegible]						
110-1[illegible]	1.[illegible]	.[illegible]		.2					
140-1[illegible]	1.[illegible]	.[illegible]	.[illegible]						
(C) 170-1[illegible]	[illegible]	[illegible]	.[illegible]	.1					
[illegible]	[illegible]	[illegible]	2.4	.[illegible]					
[illegible]	[illegible]	[illegible]	[illegible]	.1					
(D) 250-[illegible]	[illegible]	4.7	.[illegible]						
[illegible]-[illegible]	[illegible]	[illegible]	[illegible]	.2	.1				
[illegible]-4[illegible]	[illegible]	[illegible]	[illegible]	.1					
VARIABLE		.1	.[illegible]						
CALM	//								
TOTALS	[illegible]	45.1	1[illegible].3	1.3	.1				

TOTAL NUMBER OF OBSERVATIONS [illegible]

FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

[illegible] HEYFORD RAF UK PERIOD OF RECORD: JUL 73 - JUN 83
MONTH: JUL HOURS: 06-09

WIND SPEED IN KNOTS 20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
							5.6	5.4	5.0
							5.0	6.1	5.5
							5.9	6.5	5.0
							3.9	4.7	4.0
							1.9	5.3	4.5
							2.4	4.3	3.0
							5.3	5.9	5.0
							12.2	7.0	7.0
							13.1	6.7	7.0
							7.5	5.5	7.0
.1							15.5	7.9	8.0
							13.0	6.7	7.0
							.6	10.5	10.5
//////////							7.1	//////////	
.1							100.0	6.2	7.0

NO. OF OBSERVATIONS 933

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE, NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DI
FROM HOURLY OBSERVATIONS

STATION NUMBER: 3[illegible]-3 STATION NAME: UPPER [illegible] AFB [illegible] PERIOD [illegible]
LST TO UTC: - [illegible] POINT: [illegible]

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-43	[illegible]
(N) [illegible]-[illegible]	.[illegible]	[illegible].[illegible]	1.[illegible]							
[illegible]-[illegible]	.[illegible]	[illegible].[illegible]	2.[illegible]	.1						
[illegible]-[illegible]	1.1	[illegible].1	1.[illegible]	.2						
(E) [illegible]-[illegible]	1.[illegible]	1.[illegible]	.[illegible]	.1						
[illegible]-[illegible]	[illegible].[illegible]	1.3	.[illegible]							
[illegible]-[illegible]	1.[illegible]	1.4	.[illegible]							
(S) [illegible]-[illegible]	1.[illegible]	1.[illegible]	.[illegible]	.[illegible]						
[illegible]-[illegible]	1.[illegible]	[illegible].7	[illegible].[illegible]	.[illegible]		.1				
[illegible]-[illegible]	[illegible].[illegible]	[illegible].[illegible]	[illegible].7	1.7						
(W) [illegible]-[illegible]	1.[illegible]	[illegible].[illegible]	2.[illegible]	.[illegible]						
[illegible]-[illegible]	[illegible].[illegible]	[illegible].[illegible]	[illegible].4	.4						
[illegible]-[illegible]	1.[illegible]	[illegible].[illegible]	[illegible].7	.2	.2	.1				
VARIABLE	.1	[illegible].2	2.[illegible]	.[illegible]						
CALM	//									
TOTALS	1[illegible].[illegible]	[illegible].1	23.1	[illegible].3	.2	.2				

TOTAL NUMBER OF OBSERVATIONS [illegible]

THE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

: UPPER MAYFIELD RAF UK — PERIOD OF RECORD: JUL 73 - JUN 88
- 9 — MONTH: JUL — HOURS: 09-11

WIND SPEED IN KNOTS 1-19	20-24	25-29	30-34	35-39	40-49	50-64	65 & 65	TOTAL %	MEAN WIND	MEDIAN WIND
								4.9	7.4	8.0
.1								5.6	8.4	8.0
.1								5.8	7.5	7.0
.1								3.1	5.4	5.0
								3.9	4.5	4.0
								3.1	5.2	5.0
.								4.3	5.2	5.0
.1		.1						9.0	9.1	8.5
.7								13.5	9.0	9.0
.1								10.6	7.9	8.0
.4								13.8	8.4	8.0
.	.2	.1						12.8	9.3	9.0
.1								5.5	9.6	9.0
//////////								3.5	//////////	
.1	.2	.2						100.0	7.7	8.0

NUMBER OF OBSERVATIONS 330

OPERATING LOCATION NAME: USAFTAC, ASHEVILLE, NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND FROM HOURLY OBSERVATIONS

STATION NUMBER: [illegible] STATION NAME: UPPER HEYFORD [illegible] PERIOD: [illegible]
LST TO UTC: - 0 MONTH: [illegible]

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-6	7-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49
(N) 350-11	1.7	2.7	1.1	.2					
320-[illegible]	1.2	3.3	1.4	.4					
080-[illegible]	1.9	3.1	1.0	.1					
(E) [illegible]-1[illegible]	1.4	2.0	.8	.2					
110-15[illegible]	1.3	.9	.4	.1					
1[illegible]-1[illegible]	.1	.[illegible]	.2						
(S) 170-1[illegible]	.[illegible]	1.7	1.[illegible]	.1					
2[illegible]-[illegible]	1.1	1.7	3.[illegible]	1.0					
[illegible]-2[illegible]	.[illegible]	.[illegible]	[illegible]	1.[illegible]	.[illegible]				
(W) 2[illegible]-2[illegible]	1.[illegible]	4.1	4.[illegible]	.[illegible]					
2[illegible]-3[illegible]	1.[illegible]	7.[illegible]	5.4	.4					
[illegible]-360	1.[illegible]	[illegible]	4.[illegible]	.[illegible]	.3				
VARIABLE		4.7	2.4	1.0					
CALM	//								
TOTALS	17.[illegible]	42.1	31.7	5.7	.3				

TOTAL NUMBER OF OBSERVATIONS [illegible]

TABLE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

: UPPER HEYFORD RAF UK — PERIOD OF RECORD: JUL 71 - JUN 88
: - 0 — MONTH: JUL — HOURS: 12-14

	WIND SPEED IN KNOTS										
	-19	20-24	25-29	30-34	35-39	40-49	50-64	OR 65	TOTAL %	MEAN WIND	MEDIAN WIND
	.2								5.9	5.7	5.0
	.4								6.3	7.9	8.0
	.1								5.4	6.9	6.0
	.2								4.5	6.7	6.0
	.1								2.6	6.4	6.0
									1.9	4.9	3.0
	.1								3.3	8.1	8.0
	1.0								6.5	9.5	10.0
	1.9	.3							12.5	10.3	11.0
	.9								11.5	8.7	9.0
	.4								15.1	8.4	8.0
	.	.3							12.5	8.5	8.0
	1.0								8.1	9.9	8.0
	//////////								1.7	//////////	
	5.7	.3							100.0	8.3	8.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION NAM PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WI
USAFTAC, ASHEVILLE NC FROM HOURLY OBSERVATIONS

STATION NUMBER: [illegible] STATION NAME: [illegible] PERIOD
LST TO UTC: - 0 [illegible]

DIRECTION (DEG TRUE)	WIND SPEED IN KNOTS 1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-44
(N) 350-010	1.3	3.5	1.[illegible]	.1					
020-040	1.2	1.7	1.	.2					
050-070	.	3.7	1.5						
(E) 080-100	1.[illegible]	2.[illegible]	.[illegible]	.1					
110-130	.3	.3	.3						
140-160	.	.[illegible]	.2						
(S) 170-190	1.[illegible]	1.[illegible]	1.[illegible]	.1					
200-220	1.[illegible]	[illegible]	5.[illegible]	1.3					
230-250	[illegible]	[illegible]	.[illegible]	2.3					
(W) 260-280	1.1	[illegible]	4.5	1.3					
290-310	1.[illegible]	[illegible]	7.	1.[illegible]					
320-340	1.	[illegible]	[illegible]	.3					
VARIABLE		2.2	3.[illegible]	.2					
CALM	//								
TOTAL	1.[illegible]	[illegible].1	[illegible].3	5.[illegible]					

TOTAL NUMBER OF OBSERVATIONS [illegible]

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

[illegible] : [illegible] PERIOD OF RECORD: JUL 7[illegible] - JUN [illegible]
[illegible]: - 0 MONTH: JUL HOURS: 15-17

	WIND SPEED IN KNOTS										
	1[illegible]-1[illegible]	2[illegible]-2[illegible]	2[illegible]-2[illegible]	3[illegible]-3[illegible]	[illegible]-3[illegible]	4[illegible]-4[illegible]	5[illegible]-6[illegible]	[illegible] OR 65	TOTAL %	MEAN WIND	MEDIAN WIND
	.1								5.5	7.2	5.0
	.2								5.9	7.7	7.[illegible]
									4.[illegible]	7.[illegible]	[illegible]
	.1								4.9	5.5	5.[illegible]
									1.9	5.2	5.[illegible]
									1.[illegible]	[illegible]	[illegible]
	.1								5.1	7.3	7.[illegible]
	1.[illegible]								[illegible].7	[illegible].2	10.[illegible]
	2.[illegible]								12.[illegible]	10.[illegible]	10.0
	1.[illegible]								11.[illegible]	[illegible].3	[illegible]
	1.[illegible]								15.[illegible]	9.2	9.5
	.3								12.[illegible]	[illegible].2	[illegible].3
	.2								5.4	10.0	10.[illegible]
	//								1.0	//////////////	
	5.								100.0	[illegible].4	[illegible].0

TOTAL NUMBER OF OBSERVATIONS [illegible]

OPERATING LOCATION "A"
[illegible], [illegible]

PERCENTAGE FREQUENCY OF OBSERVATIONS [illegible]
FROM JULY [illegible] [illegible]

STATION NUMBER: [illegible] STATION NAME: [illegible]
EST TO UTC: [illegible]

WIND SPEED IN KNOTS									
WIND DIRECTION (TRUE)	1-4	[illegible]	11-16	17-19	20-24	25-[illegible]	[illegible]-[illegible]	[illegible]-[illegible]	[illegible]
(N) [illegible]	[illegible]	[illegible]	1.1	.1					
[illegible]	[illegible]	[illegible]	[illegible]	.2					
[illegible]	[illegible]	[illegible]	[illegible]		.1				
(E) [illegible]	[illegible]	[illegible]	1.						
[illegible]	1.1	[illegible]	.1						
[illegible]	.	[illegible]	.1						
(S) [illegible]	[illegible]	[illegible]	[illegible]	.1					
[illegible]	1.7	[illegible]	[illegible]	[illegible]					
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]					
(W) [illegible]	[illegible]	[illegible]	[illegible]	[illegible]					
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]					
[illegible]	[illegible]	[illegible]	[illegible]						
VARIABLE		.1	[illegible]	.1					
CALM	//								
TOTALS	[illegible]	[illegible]	[illegible]	2.7	.1				

TOTAL NUMBER OF OBSERVATIONS [illegible]

FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

[illegible] HEYERDAHL [illegible] PERIOD OF RECORD: JUL 76 - JUN 85
[illegible] MONTH: JUL HOURS: 13-20

	WIND SPEED IN KNOTS									
[illegible]	20-24	25-29	30-34	35-39	40-49	50-54	55-56	TOTAL %	MEAN WIND	MEDIAN WIND
.1								7.5	5.8	5.0
.[illegible]								6.5	6.9	5.0
	.1							7.[illegible]	7.[illegible]	7.0
								5.[illegible]	6.1	5.0
								1.5	3.4	3.0
								1.[illegible]	4.8	4.0
.1								5.4	6.0	7.0
.[illegible]								3.2	6.3	4.0
.								12.[illegible]	8.[illegible]	8.0
.								11.5	7.3	5.0
.[illegible]								13.6	7.4	7.0
								12.2	6.4	6.0
.1								.5	12.0	12.0
//////////								[illegible]	//////////	
[illegible]	.1							100.[illegible]	6.[illegible]	7.0

[illegible] OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE, NC

PERCENTAGE FREQUENCY OF [illegible] SURFACE WIND
FROM HOURLY OBSERVATIONS

STATION NUMBER: [illegible] STATION NAME: UPPER HEYFORD RAF UK
LST TO UTC: - 0

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49
(N) [illegible]-010	[illegible]	[illegible]	.2	.2					
020-040	[illegible]	[illegible]	1.2	.1					
050-070	[illegible]	[illegible]	1.4						
(E) [illegible]-100	[illegible]	1.[illegible]	.[illegible]						
110-130	[illegible]								
140-160	[illegible]	[illegible]							
(S) 170-190	[illegible]	[illegible]	[illegible]						
200-220	[illegible]	[illegible]	1.[illegible]						
230-250	[illegible]	[illegible]	[illegible]	.2					
(W) 260-280	[illegible]	[illegible]	.1						
290-310	[illegible]	[illegible]	[illegible]	.1					
320-340	[illegible]	[illegible]	1.2						
VARIABLE			.1	.1					
CALM	//								
TOTALS	[illegible].1	4[illegible].2	1[illegible]	.7					

TOTAL NUMBER OF OBSERVATIONS [illegible]

FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

[illegible] HOLYOKE RAF UK PERIOD OF RECORD: JUL 75 - JUN 83
MONTH: JUL HOURS: 21-23

WIND SPEED IN KNOTS 1-24	25-29	30-34	35-39	40-49	50-54	GE 55	TOTAL %	MEAN WIND	MEDIAN WIND
							5.7	4.9	4.0
							5.3	5.7	5.0
							5.4	5.1	5.0
							5.2	5.0	4.0
							.5	2.5	2.0
							2.2	3.5	3.5
							5.0	5.9	5.0
							3.5	5.5	5.0
							15.3	7.0	7.0
							7.5	5.2	5.0
							10.4	5.7	5.0
							13.3	5.1	4.0
							.2	13.0	13.0
//////////	//////////	//////////	//////////	//////////	//////////	//////////	9.4	//////////	//////////
							100.0	5.2	5.0

NO. OBSERVATIONS 930

OPERATING LOCATION WAW
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND
FROM HOURLY OBSERVATIONS

STATION NUMBER: [illegible] STATION NAME: UPPER HEYFORD RAF UK
LST TO UTC: - 0

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-44
(N) 350-010	[illegible]	2.3	[illegible]	.1					
[illegible]	[illegible]	[illegible]	1.3	.2					
[illegible]	[illegible]	[illegible]	1.[illegible]	.1	.0				
(E) [illegible]	1.[illegible]	1.5	.[illegible]	.1					
[illegible]	1.1	.[illegible]	.[illegible]	.[illegible]					
[illegible]	1.5	.7	.1						
(S) [illegible]	[illegible]	2.1	.7	.1					
[illegible]	[illegible]	[illegible]	[illegible]	.[illegible]		.[illegible]			
[illegible]	[illegible]	[illegible]	[illegible]	.[illegible]	.0				
(W) [illegible]	[illegible]	[illegible]	[illegible]	.4					
[illegible]	[illegible]	[illegible]	[illegible]	.[illegible]	.[illegible]				
[illegible]	[illegible]	[illegible]	[illegible]	.2	.1	.[illegible]			
VARIABLE	.[illegible]	1.3	1.[illegible]	.2					
CALM	//////////								
TOTALS	[illegible]7.7	42.6	29.[illegible]	3.1	.1				

TOTAL NUMBER OF OBSERVATIONS 7443

PTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

: UPPER HEYFORD RAF UK PERIOD OF RECORD: JUL 78 - JUN 83
: - 2 MONTH: JUL HOURS: ALL

	WIND SPEED IN KNOTS										
	-19	20-24	25-29	30-34	35-39	40-49	50-54	GE 55	TOTAL %	MEAN WIND	MEDIAN WIND
	.1								6.4	5.3	5.0
	.2								6.1	5.7	6.0
	.1	.0							6.0	6.6	6.0
	.1								4.1	5.4	5.0
	.0								1.0	4.0	4.0
									2.4	4.2	3.0
	.1								4.0	5.0	5.0
	.0		.0						10.1	7.5	7.0
	.3	.0							13.3	8.1	8.0
	.4								9.4	7.4	7.0
	.3	.0							13.5	7.5	7.0
	.2	.1	.0						13.1	6.5	6.0
	.2								2.5	3.0	4.0
	////	////	////	////	////	////	////	////	6.1	////	////
	.1	.1							100.0	6.6	7.0

E NUMBER OF OBSERVATIONS 7440

OPERATING LOCATION MAP PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIN
USAFETAC, ASHEVILLE NC FROM HOURLY OBSERVATIONS

STATION NUMBER: 3[illegible] STATION NAME: UPPER [illegible] AFB [illegible] [illegible]
LST TO UTC: - 0 [illegible]

CATEGORY A: CEILING OF 200 FEET BUT LESS THAN 1500 FEET WITH VISIBILITY OF 1/2 [illegible]
AND/OR
VISIBILITY OF 1/2 MILE (0800 METERS) BUT LESS THAN 3 MILES (4[illegible]

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-4[illegible]
(A) 350-010	3.2	5.[illegible]	1.3	.1					
020-04[illegible]	4.[illegible]	3.2	3.[illegible]	.[illegible]					
050-07[illegible]	3.[illegible]	3.3	3.[illegible]	.1	.1				
(C) 0[illegible]0-1[illegible]0	1.5	1.1	.[illegible]						
110-13[illegible]	.[illegible]	.5	.5	.3					
140-16[illegible]	1.[illegible]	1.1	.[illegible]						
(G) 170-19[illegible]	3.7	3.	1.[illegible]	.1					
200-22[illegible]	4.[illegible]	3.[illegible]	4.6	.[illegible]					
230-26[illegible]	1.[illegible]	7.[illegible]	4.5	.					
(J) 260-29[illegible]	.3	1.1	.1						
290-31[illegible]	1.[illegible]	1.5	.4						
320-34[illegible]	1.3	3.4	1.[illegible]	.1					
VARIABLE									
CALM	//								
TOTALS	24.[illegible]	42.3	20.[illegible]	2.[illegible]	.1				

TOTAL NUMBER OF OBSERVATIONS [illegible]25

```
AGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
          FROM HOURLY OBSERVATIONS

: UPPER HEYFORD RAF UK                  PERIOD OF RECORD:  JUL 78 - JUN 85
- 0                                     MONTH: JUL     HOURS: ALL
.......................................................................
AN 1500  FEET WITH VISIBILITY GE 1/2 MILE (0800 METERS).

0 METERS) BUT LESS THAN 3 MILES (4800 METERS) WITH CEILING GE 200 FEET.
.......................................................................
     WIND SPEED IN KNOTS
-19  20-24  25-29  30-34  35-39  40-49  50-54  GE 65   TOTAL  MEAN  MEDIAN
.......................................................................
                                                          %     WIND   WIND
.......................................................................
 .1                                                     10.5    6.2    6.0

 .                                                      13.4    7.6    7.0

 .1      .1                                             11.1    7.3    7.0

                                                         3.6    5.4    5.0

 .1                                                      2.1    4.4    4.0

                                                         2.5    5.3    5.0

 .1                                                      7.9    6.2    6.0

 .1                                                     15.2    7.4    6.0

 .                                                      14.4    5.5    4.0

                                                         1.9    6.6    5.5

                                                         3.6    5.4    5.0

 .1                                                      6.7    7.1    7.0

.......................................................................


///////////////////////////////////////////////////////    8.1  /////////////

 .4      .1                                            100.0    6.6    7.0
UMBER OF OBSERVATIONS    925
.......................................................................
```

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WI
FROM HOURLY OBSERVATIONS

STATION NUMBER: [illegible] STATION NAME: UPPER HOLYOKE [illegible]
LST TO UTC: - 0

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-44
(N) 350-[illegible]	[illegible]	1.9							
[illegible]	[illegible]	3.3	.4	.1					
[illegible]	[illegible]	2.0	.0						
(E) [illegible]	[illegible]	.5	.1						
110-1[illegible]	1.1	.3							
140-1[illegible]	[illegible]	1.0	.1						
(S) 170-1[illegible]	[illegible]	2.7	.2	.0					
[illegible]	[illegible]	[illegible]	2.7	.0					
[illegible]	[illegible]	7.5	2.3	.1					
(W) [illegible]	[illegible]	4.5	1.2	.1					
[illegible]	[illegible]	4.4	.5	.0					
320-34[illegible]	[illegible]	[illegible]	.3						
VARIABLE		.1	.1						
CALM	//								
TOTALS	[illegible]	43.0	9.4	2.0					

TOTAL NUMBER OF OBSERVATIONS [illegible]

TABLE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

: UPPER HEYFORD RAF UK — PERIOD OF RECORD: JUL 74 - JUN 84
- - — MONTH: AUG — HOURS: 00-02

WIND SPEED IN KNOTS										
-10	20-24	25-29	30-34	35-39	40-49	50-54	GE 55	TOTAL %	MEAN WIND	MEDIAN WIND
								4.4	4.3	4.0
.1								6.5	5.5	5.0
								4.9	5.1	4.5
								4.6	3.8	3.0
								1.4	3.3	3.0
								3.4	4.1	4.0
.1								5.9	5.3	5.0
.1								15.9	5.9	5.0
.1								13.0	5.7	5.0
.1								8.7	5.1	5.0
.1								9.8	5.6	5.0
								12.5	5.9	5.0
								.2	3.5	3.5
//								3.4	//////////////	
.1								100.0	5.3	5.0

NUMBER OF OBSERVATIONS 330

OPERATING LOCATION "B"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE
FROM HOURLY OBSERVATIONS

STATION NUMBER: [illegible] STATION NAME: UPPER [illegible] [illegible]
LST TO UTC: - [illegible]

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-
(N) [illegible]	[illegible]	[illegible]	.5						
[illegible]	[illegible]	2.2	.4						
[illegible]	[illegible]	1.9	.3						
(E) [illegible]	[illegible]	1.1	.1						
110-1[illegible]	[illegible]	.3	.1						
1[illegible]-1[illegible]	[illegible]	1.5	.1						
(S) 1[illegible]-1[illegible]	[illegible]	1.9	.3	.2					
[illegible]	[illegible]	[illegible]	.5	.2	.1				
[illegible]	[illegible]	[illegible]	1.2	.1					
(W) [illegible]	[illegible]	[illegible]	1.3	.2					
[illegible]	[illegible]	[illegible]	.5	.2					
[illegible]	[illegible]	[illegible]	1.3	.1					
VARIABLE				.1					
CALM	//////////								
TOTALS	[illegible]	41.2	4.7	1.5	.2	.1			

TOTAL NUMBER OF OBSERVATIONS [illegible]

WIND FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

: UPPER HEYFORD RAF UK — PERIOD OF RECORD: JUL 76 - JUN 8-
- 0 — MONTH: AUG HOURS: 03-05

	WIND SPEED IN KNOTS										
	1-19	20-24	25-29	30-34	35-39	40-49	50-54	GE 55	TOTAL %	MEAN WIND	MEDIAN WIND
									6.0	5.1	5.0
									6.1	5.1	4.0
									4.4	4.3	5.0
									2.9	4.3	4.0
									2.3	4.3	4.0
									4.3	4.7	4.0
	.2								6.2	5.2	4.0
	.7	.2	.1						16.2	7.3	5.0
	.1								10.6	5.6	5.0
	.2								5.2	5.7	5.0
	.2								3.5	6.2	5.0
	.1								14.2	5.5	5.0
	.1								.1	15.0	15.0
	//////////								11.9	//////////	
	1.0	.2	.1						100.0	5.2	5.0

NUMBER OF OBSERVATIONS 930

OPERATING LOCATION: NAM PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE
USAMTAC, ANNIVILLE, AL HOURLY OBSERVATIONS

STATION NUMBER: [illegible] STATION NAME: UPPER HEYFORD, NAF UK PE
LST TO UTC: - [illegible] [illegible]

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-4
(N) 350-[illegible]	[illegible]	3.1	.4						
[illegible]	[illegible]	[illegible]	1.0						
[illegible]	1.[illegible]	1.7	.[illegible]						
(E) [illegible]	1.1	1.1	.[illegible]						
[illegible]	1.[illegible]	.[illegible]							
[illegible]	[illegible]	1.[illegible]	.1						
(S) 170-[illegible]	[illegible]	[illegible].7	1.[illegible]	.1					
[illegible]	[illegible]	.[illegible]	[illegible]	1.[illegible]	.[illegible]				
[illegible]	[illegible]	[illegible]	[illegible]	.[illegible]	.1				
(W) [illegible]	1.[illegible]	[illegible]	.	.					
[illegible]	1.	[illegible]	[illegible]	.1					
[illegible]	[illegible]	[illegible]	[illegible]	.					
VARIABLE		.2	.1						
CALM	//								
TOTALS	[illegible].1	44.4	15.[illegible]	2.[illegible]	.3				

TOTAL NUMBER OF OBSERVATIONS [illegible]

FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

[illegible] HEYFORD RAF UK — PERIOD OF RECORD: JUL 78 - JUN 88
[illegible] — MONTH: AUG — HOURS: 06-09

	WIND SPEED IN KNOTS 20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
								6.6	5.4	5.0
								5.3	5.9	5.0
								3.[illegible]	5.5	5.0
								2.4	5.7	6.0
								2.[illegible]	3.[illegible]	4.0
								4.1	4.[illegible]	4.0
.1								5.2	5.4	5.[illegible]
.	.2							17.[illegible]	[illegible].1	[illegible].0
..	.1							10.1	7.1	7.0
.								9.2	7.5	7.0
.1								[illegible]	7.7	[illegible].0
.								13.1	[illegible]	[illegible].0
								.3	9.3	9.0
//////////								7.[illegible]	//////////	
..	.3							100.0	6.3	6.0

[illegible] OF OBSERVATIONS [illegible]

[illegible]

[illegible]

STATION NUMBER: [illegible] STATION NAME: [illegible]

LAT TO NTS: [illegible]

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	[illegible]
(1) [illegible]	.3	[illegible]	1.3						
[illegible]	1.	4.[illegible]	1.[illegible]	.1					
[illegible]	1.1	[illegible]							
(7) [illegible]	.3	[illegible]	.[illegible]						
[illegible]	1.[illegible]	.[illegible]	.[illegible]						
[illegible]	1.[illegible]	1.[illegible]	.	.1					
(9) [illegible]	1.[illegible]	[illegible]	1.	.[illegible]					
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	.3				
[illegible]	[illegible]	[illegible]	[illegible]	1.[illegible]	.[illegible]	.1			
(1) [illegible]	[illegible]	[illegible]	[illegible]	1.[illegible]					
[illegible]	[illegible]	[illegible]	[illegible]	1.[illegible]					
[illegible]	1.	[illegible]	[illegible]	.[illegible]					
VARIABLE		[illegible]	[illegible]	.1	.1				
CALM	//								
TOTALS	1[illegible]	[illegible]	2[illegible]	7.[illegible]	.7	.1			

TOTAL NUMBER OF OBSERVATIONS [illegible]

FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

[illegible] HEYFORD RAF UK PERIOD OF RECORD: JUL 7[illegible] - JUN [illegible]
MONTH: AUG HOURS: 00-11

	WIND SPEED IN KNOTS									
[illegible]	21-24	25-27	30-34	35-39	40-49	50-54	55-65	TOTAL %	MEAN WIND	MEDIAN WIND
								5.0	6.5	6.0
.1								7.2	7.1	7.0
								3.1	5.5	5.0
								3.4	5.4	5.0
								2.5	4.[illegible]	4.0
[illegible]								3.3	5.4	5.0
[illegible]								5.6	7.[illegible]	[illegible]
[illegible]	.2							12.2	1[illegible].2	10.0
[illegible]	.[illegible]	.1						1[illegible].4	1[illegible].[illegible]	10.0
								[illegible].6	3.1	3.0
[illegible]								13.0	9.0	9.0
[illegible]								[illegible].[illegible]	.4	[illegible].0
[illegible]	.1							5.3	9.7	10.0
//////////								3.7	//////////	
	.7	.1						100.0	9.2	[illegible].6

[illegible] OF OBSERVATIONS 930

OPERATING LOCATION "A"
ASHEVILLE, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND
FROM HOURLY OBSERVATIONS

STATION NUMBER: 3[illegible] STATION NAME: UPPER MEYERHOF AAF [illegible] PERIOD
LST TO UTC: - 0 MONTH: [illegible]

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-6	7-9	10-14	15-17	20-24	25-27	30-34	35-39	40-47
(N) 3[illegible]-3[illegible]	1.3	3.[illegible]	1.[illegible]						
[illegible]-[illegible]	.[illegible]	1.5	.[illegible]	.1					
[illegible]-[illegible]	1.1	2.7	.[illegible]						
(E) [illegible]-1[illegible]	.[illegible]	1.1	.[illegible]	.2					
1[illegible]-1[illegible]	1.1	1.[illegible]	.[illegible]						
1[illegible]-1[illegible]	1.[illegible]	1.[illegible]	.1	.3					
(S) 1[illegible]-1[illegible]	.[illegible]	1.[illegible]	2.[illegible]	.2	.1				
2[illegible]-2[illegible]	1.7	3.[illegible]	[illegible]	2.5	.5	.2			
[illegible]-3[illegible]	1.1	3.1	[illegible]	3.[illegible]	.[illegible]	.1			
(W) 2[illegible]-[illegible]	1.[illegible]	4.3	3.7	1.[illegible]					
3[illegible]-3[illegible]	1.[illegible]	4.[illegible]	4.[illegible]	1.4					
3[illegible]-3[illegible]	1.[illegible]	4.[illegible]	1.[illegible]	.3	.1				
VARIABLE		[illegible]	3.[illegible]	.[illegible]					
CALM	//								
TOTALS	1[illegible]	33.8	31.[illegible]	10.[illegible]	1.5	.3			

TOTAL NUMBER OF OBSERVATIONS [illegible]

FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

UPPER HEYFORD RAF UK — PERIOD OF RECORD: JUL 75 - JUN 83
MONTH: AUG — HOURS: 12-14

	WIND SPEED IN KNOTS 20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
								5.5	5.5	5.0
								3.3	7.0	7.0
								4.4	6.7	7.0
								2.8	7.7	8.0
								3.1	5.8	6.0
								2.6	6.5	5.0
	.1							6.7	9.4	10.0
	.5	.2						13.1	11.2	12.0
	.7	.1						15.	11.9	12.0
								10.9	9.3	9.0
								12.3	9.4	9.0
	.1							9.2	7.5	7.0
								9.4	9.5	9.0
								1.0	//////////	
	1.5	.3						100.0	9.1	9.0

TOTAL OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND
FROM HOURLY OBSERVATIONS

STATION NUMBER: 3[illegible]63 STATION NAME: UPPER HEYFORD [illegible] PERIOD
LST TO UTC: - [illegible] MONTH: [illegible]

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	[illegible]
(N) 350-010	[illegible]	[illegible]	[illegible]							
020-040	[illegible]	[illegible]	.4							
050-070	.3	[illegible]	.1							
(E) 080-100	.3	[illegible]	[illegible]							
110-130	1.1	[illegible]	.3							
140-160	[illegible]	[illegible]	[illegible]							
(S) 170-190	[illegible]	[illegible]	[illegible]	[illegible]						
200-220	[illegible]	[illegible]	[illegible]	[illegible]	.4	.1				
230-250	[illegible]	[illegible]	[illegible]	3.1	[illegible]	.1				
(W) 260-280	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]					
290-310	[illegible]	[illegible]	[illegible]	1.4	.2					
320-340	[illegible]	[illegible]	[illegible]	[illegible]						
VARIABLE		[illegible]	[illegible]	[illegible]						
CALM	//									
TOTALS	[illegible]	[illegible]	[illegible]	[illegible]	1.7	[illegible]				

TOTAL NUMBER OF OBSERVATIONS [illegible]

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

: UPPER HEYFORD RAF UK — PERIOD OF RECORD: JUL 78 - JUN 88
- 2 — MONTH: AUG — HOURS: 15-17

WIND SPEED IN KNOTS								TOTAL %	MEAN WIND	MEDIAN WIND
-19	20-24	25-29	30-34	35-39	40-49	50-54	GE 65			
								6.8	6.1	6.0
								5.3	6.5	7.0
								3.2	6.4	6.0
								2.2	7.3	6.0
								2.9	5.5	5.0
								4.3	6.0	6.0
.1								3.3	3.7	3.0
.8	.4	.1						12.0	11.3	11.0
.1	.4	.1						15.2	11.6	12.0
1.2	.2							13.0	10.0	10.0
1.4	.2							12.9	8.9	9.0
.7								1[illegible].5	7.2	6.0
.8								4.9	10.5	9.5
//								1.0	//////////////	
.1	1.7	.2						100.0	8.9	9.0

NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE, NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WI
FROM HOURLY OBSERVATIONS

STATION NUMBER: 36553 STATION NAME: UPPER HOYEJAI RAF UK PERI
LST TO UTC: - 0 MONTH

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49
(N) 350-010	3.7	2.6	.2						
020-040	1.[illegible]	3.2	.2						
050-070	1.9	2.2	.4						
(E) 080-100	2.4	1.6	.2	.1					
110-130	1.7	.3		.2					
140-160	1.1	1.[illegible]	.4	.1					
(S) 170-190	.4	2.2	.[illegible]	.4					
200-220	1.[illegible]	[illegible]	3.2	1.3					
230-250	1.7	7.3	[illegible].1	1.7	.1				
(W) 260-280	[illegible].2	4.[illegible]	3.1	.5					
290-310	3.2	3.1	1.4	.5	.5				
320-340	[illegible].4	4.1	2.[illegible]	.1					
VARIABLE		.3	.2						
CALM	//								
TOTALS	[illegible]	39.9	20.2	4.9	.5				

TOTAL NUMBER OF OBSERVATIONS [illegible]

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

NAME: UPPER HEYFORD RAF UK PERIOD OF RECORD: JUL 78 - JUN 88
TZ: - 0 MONTH: AUG HOURS: 18-20

	WIND SPEED IN KNOTS 16-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
									5.3	4.4	4.0
									5.1	6.0	6.0
									4.5	5.4	5.0
	.1								4.3	4.8	4.0
	.2								2.7	4.7	4.0
	.1								2.6	5.5	5.0
	.4								4.3	8.0	7.0
	1.3								11.0	8.3	7.5
	1.7	.1							13.9	9.5	10.0
	.5								11.4	7.5	8.0
	.5	.5							11.3	7.5	7.0
	.1								11.5	5.0	5.0
									.5	9.4	9.0
	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	5.5	//////////	//////////
	4.9	.6							100.0	6.9	7.0

TOTAL NUMBER OF OBSERVATIONS 830

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OPERATING LOCATION "A"          PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND D
USAFETAC, ASHEVILLE NC                              FROM HOURLY OBSERVATIONS

STATION NUMBER:  36583      STATION NAME: UPPER HEYFORD RAF UK                      PERIOD (
                            LST TO UTC: - 0                                         MONTH: A
.........................................................................................
                                                  WIND SPEED IN KNOTS
   DIRECTION       1-4     5-9  10-14  15-19  20-24  25-29  30-34  35-39  40-49  50
   (DEGREES)
.........................................................................................
(N) 350-010        3.2     1.3

    020-040        1.6     4.3     .3     .1

    050-070        4.1     2.4     .5

(E) 080-100        2.2     1.2     .1

    110-130        1.4      .5     .1     .2

    140-160        1.5     1.1     .1     .2

(S) 170-190        1.9     3.3    1.3     .1

    200-220        7.1     5.1    2.0     .5     .1

    230-250        3.3     3.3    4.      .2

(W) 260-280        4.0     2.2    1.6     .3

    290-310        2.5     3.1    1.2     .4     .3

    320-340        4.5     4.5    1.0

........................................................................................
   VARIABLE

   CALM        ///////////////////////////////////////////////////////////////////////////

   TOTALS         34.5    43.5   12.      2.0     .4

                                        TOTAL NUMBER OF OBSERVATIONS    930
........................................................................................
```

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

NAME: UPPER HEYFORD RAF UK PERIOD OF RECORD: JUL 76 - JUN 84
UTC: - 0 MONTH: AUG HOURS: 21-23

	WIND SPEED IN KNOTS										
	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
									4.5	3.7	4.0
	.1								5.3	5.2	5.0
									5.1	5.1	4.0
									3.4	4.2	4.0
	.2								2.0	5.3	3.0
	.2								2.7	5.2	5.0
	.1								5.7	5.5	6.0
	.5	.1							12.5	7.4	7.0
	.2								17.4	7.2	7.0
	.3								10.0	5.5	6.0
	.4	.3							8.3	7.2	6.0
									12.2	4.0	4.0
//////////									7.7	//////////	
	2.0	.4							100.0	5.8	6.0

TOTAL NUMBER OF OBSERVATIONS 933

```
OPERATING LOCATION "A"              PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIN
USAFETAC, ASHEVILLE NC                              FROM HOURLY OBSERVATIONS

STATION NUMBER: 35663     STATION NAME: UPPER HEYFORD RAF UK                    PERI
                          LST TO UTC: - 0                                       MONT
...........................................................................................
                                                    WIND SPEED IN KNOTS
   DIRECTION      1-4     5-9   10-14   15-19   20-24   25-29   30-34   35-39   40-49
...........................................................................................
   (DEGREES)
...........................................................................................
(N) 350-010       2.5     2.7      .6

    020-040       1.7     3.1      .5      .1

    050-070       1.7     2.2      .4

(E) 080-100       1.6     1.3      .3      .0

    110-130       1.5      .5      .1      .1

    140-160       1.7     1.3      .3      .1

(S) 170-190       1.7     2.3     1.1      .3      .0

    200-220       2.6     5.3     3.5     1.4      .2      .1

    230-250       2.4     5.8     4.1     1.4      .3      .0

(W) 260-280       3.1     4.0     2.8      .7      .0

    290-310       2.4     4.6     2.5      .7      .1

    320-340       4.2     5.6     1.7      .3      .0

...........................................................................................
   VARIABLE               1.4     1.0      .1      .0

   CALM          ///////////////////////////////////////////////////////////////////////

   TOTALS        25.4    41.3    19.0     5.2      .6      .1

                                      TOTAL NUMBER OF OBSERVATIONS  7440
...........................................................................................
```

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NTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
                FROM HOURLY OBSERVATIONS

: UPPER HEYFORD RAF UK                PERIOD OF RECORD:  JUL 73 - JUN 83
: - 0                                 MONTH: AUG      HOURS: ALL
.........................................................................
       WIND SPEED IN KNOTS
-19  20-24  25-29  30-34  35-39  40-49  50-54  GE 55   TOTAL   MEAN  MEDIAN
.........................................................................
                                                        %      WIND   WIND
.........................................................................
                                                       5.0     5.4    5.0

   .1                                                  5.5     6.1    6.0

                                                       4.3     5.5    5.0

   .0                                                  3.3     5.3    4.0

   .1                                                  2.4     4.9    4.0

   .1                                                  3.5     5.2    5.0

   .3     .0                                           5.6     7.1    6.0

  1.4     .2     .1                                   13.[illegible]    8.7    8.0

  1.4     .3     .0                                   15.3     9.0    9.0

   .7     .0                                           9.4     8.0    8.0

   .7     .1                                          10.5     8.0    8.0

   .5     .0                                          11.3     6.3    6.0

.........................................................................
   .1     .0                                           2.5     9.3    9.0
//////////////////////////////////////////////////     6.1    /////////////
  5.2     .5     .1                                  100.0     7.0    7.0
NUMBER OF OBSERVATIONS  7440
.........................................................................
```

OPERATING LOCATION "A" PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIN
USAFTAC, ASHEVILLE NC FROM HOURLY OBSERVATIONS

STATION NUMBER: 36583 STATION NAME: UPPER HEYFORD RAF UK
LST TO UTC: - 0

CATEGORY A: CEILING OF 200 FEET BUT LESS THAN 1500 FEET WITH VISIBILITY OF 1/2
AND/OR
VISIBILITY OF 1/2 MILE (0800 METERS) BUT LESS THAN 3 MILES (4

DIRECTION	WIND SPEED IN KNOTS 1-6	7-9	10-14	15-19	20-24	25-29	30-34	35-39	40-4
(DEGREES)									
(0) 355-015	[illegible]	[illegible].1	1.3						
020-050	[illegible].3	[illegible].1	[illegible].4	.3					
055-085	[illegible].3	[illegible].5	.[illegible]						
(0) [illegible]-1[illegible]	[illegible].[illegible]	[illegible].[illegible]	.[illegible]						
115-145	1.3	.3	.4	.3					
150-1[illegible]	1.7	[illegible].1	.2	.3					
(9) 175-2[illegible]	[illegible].[illegible]	[illegible].3	3.1	.[illegible]	.1				
2[illegible]-2[illegible]	[illegible].[illegible]	[illegible].4	[illegible].[illegible]	1.5	.[illegible]				
230-2[illegible]	1.[illegible]	[illegible].1	1.[illegible]	.2					
(0) 2[illegible]-2[illegible]	.[illegible]	1.[illegible]	.2						
2[illegible]-3[illegible]	1.1	1.[illegible]	.	.1	.2				
3[illegible]-34[illegible]	[illegible].5	[illegible].4	1.1		.1				
VARIABLE									
CALM	//								
TOTALS	27.2	44.4	16.7	3.6	.7				

TOTAL NUMBER OF OBSERVATIONS [illegible]

FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

[illegible] HAYSTACK AF [illegible]K PERIOD OF RECORD: JUL 73 - JUN 84
MONTH: AUG HOURS: ALL

[illegible] FEET WITH VISIBILITY GE 1/2 MILE (0800 METERS).

[illegible] BUT LESS THAN 3 MILES (4800 METERS) WITH CEILING GE 200 FEET.

WIND SPEED IN KNOTS 1-24	25-29	30-34	35-39	40-49	50-54	GE 55	TOTAL %	MEAN WIND	MEDIAN WIND
							10.2	5.0	5.0
							12.1	7.1	7.0
							3.0	6.0	6.0
							2.0	4.0	4.0
							2.0	5.7	5.0
							4.3	6.0	6.0
.1							11.0	8.0	[illegible]
.1							15.0	9.1	9.0
							3.2	7.5	7.0
							1.7	5.3	5.0
.0							2.4	7.6	7.0
.1							11.2	5.2	5.0
//////////							7.0	//////////	
.7							100.0	6.6	7.0

[illegible] OF OBSERVATIONS 882

OPERATIONS EVALUATION WING PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE
MCAFEE, ASHEVILLE, NC FOR ALL OBSERVATIONS

STATION NUMBER: 3[illegible] STATION NAME: UPPER [illegible]
LST TO UTC: - [illegible]

DIR-FROM (DEG-TRUE)	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49
	WIND SPEED IN KNOTS								
(N) 350-012	.7	1.1							
020-042	.3	1.2	.2						
050-072	1.	1.[illegible]	.3						
(E) 080-102	.2	.5							
110-132	1.3	.5	.3						
140-162	.3	1.1	.3						
(S) 170-192	.1	.5	1.2						
200-222	.2	.[illegible]	1.[illegible]	.2	.3	.1			
230-252	.[illegible]	.2	.2	.[illegible]	.[illegible]	.[illegible]			
(W) 260-282	.4	3.7	1.[illegible]	.3	.1				
290-312	.2	2.[illegible]	1.4						
320-342	.[illegible]	.[illegible]	.1						
VARIABLE			.2	.1					
CALM	//								
TOTALS	[illegible]	59.7	12.7	1.	.7	.3			

TOTAL NUMBER OF OBSERVATIONS [illegible]

FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

[illegible] YEARS [illegible] PERIOD OF RECORD: JUL 7[illegible] - JUN 8[illegible]
MONTH: SEP HOURS: 00-02

WIND SPEED IN KNOTS									
20-24	25-29	30-34	35-39	40-49	50-54	55-65	TOTAL %	MEAN WIND	MEDIAN WIND
							3.8	3.9	4.0
							3.[illegible]	4.6	4.0
							3.1	4.5	4.3
							1.2	4.5	4.[illegible]
							2.[illegible]	4.2	3.[illegible]
							4.[illegible]	3.[illegible]	3.0
							11.3	[illegible]	[illegible]
.3	.1						15.7	7.2	5.[illegible]
.[illegible]	.[illegible]						1[illegible].[illegible]	[illegible]	7.[illegible]
.1							7.9	[illegible]	5.[illegible]
							8.3	4.2	4.0
							3.[illegible]	4.4	4.3
							.3	11.7	1[illegible].[illegible]
//////////	//////////	//////////	//////////	//////////	//////////	//////////	10.4	//////////	//////////
.7	.3						100.0	5.6	5.0

% OF OBSERVATIONS [illegible]

OPERATING LOCATION: NAW
USATTAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE
FROM HOURLY OBSERVATIONS

STATION NUMBER: [illegible] STATION NAME: [illegible] AFB NC
LST TO UTC: - 0

DIRECTION (DEG TRUE)	WIND SPEED IN KNOTS 1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-
(N) 350-010	[illegible]	1.4	.1						
020-040	[illegible].1	1.[illegible]							
050-070	.	1.[illegible]	.2						
(E) 080-1[illegible]	1.[illegible]	.7	.1						
110-1[illegible]	[illegible]	.[illegible]	.1						
140-1[illegible]	[illegible].4	[illegible].4	.2						
(S) 170-1[illegible]	[illegible].4	4.7	1.7	.2					
200-2[illegible]	[illegible].1	[illegible].2	[illegible]	.2					
230-2[illegible]	[illegible].1	1[illegible]	[illegible].2	1.[illegible]	.7				
(W) 260-2[illegible]	1.[illegible]	2.4	.7	1.[illegible]					
290-3[illegible]	[illegible]	[illegible]	1.[illegible]	.2					
320-3[illegible]	[illegible]	[illegible]	.[illegible]						
VARIABLE			.1						
CALM	//								
TOTALS	[illegible].2	[illegible]	11.[illegible]	2.[illegible]	.7				

TOTAL NUMBER OF OBSERVATIONS [illegible]

THE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

: UPPER HEYFORD RAF UK PERIOD OF RECORD: JUL 73 - JUN 88
: - 9 MONTH: SEP HOURS: 03-05

WIND SPEED IN KNOTS -19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
								4.0	4.1	4.0
								3.0	4.3	4.0
								2.0	5.7	6.0
								2.6	3.3	3.0
								2.6	4.1	4.0
								4.1	4.6	4.0
.4								11.1	5.0	5.0
.2								14.7	5.4	5.0
1.0	.7							10.7	7.4	7.0
1.0								5.0	7.6	6.0
.2								8.1	6.7	6.0
								5.6	5.1	4.0
								.1	12.0	12.0
//								11.3	//////////////	
1.3	.7							100.0	5.5	5.0

NUMBER OF OBSERVATIONS 300

OPERATING LOCATION "A" PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WI
USAFETAC, ASH VILLE, NC FROM HOURLY OBSERVATIONS

STATION NO: [illegible] STATION NAME: UPPER HEY-[illegible] AFB [illegible] PAGE
LST TO UTC: - [illegible] MONT

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-4
(N) 355-[illegible]	[illegible]	1.3	.1						
[illegible]-[illegible]	1.1	1.[illegible]	.2						
[illegible]-[illegible]	1.[illegible]	1.1	.[illegible]						
(E) [illegible]-[illegible]	1.[illegible]	1.[illegible]	.1						
[illegible]-[illegible]	1.[illegible]	.7	.1						
[illegible]-[illegible]	[illegible]	[illegible]	.[illegible]	.1					
(S) [illegible]-[illegible]	.[illegible]	[illegible]	1.[illegible]	.7					
[illegible]-[illegible]	.[illegible]	[illegible]	[illegible]	.1					
[illegible]-[illegible]	[illegible]	[illegible]	[illegible]	.7	.[illegible]				
(W) [illegible]-[illegible]	[illegible]	[illegible]	.[illegible]	.[illegible]	.[illegible]				
[illegible]-[illegible]	[illegible]	[illegible]	1.[illegible]	.[illegible]	.1				
[illegible]-[illegible]	[illegible]	[illegible]	.[illegible]	.1					
VARIABLE		.1	.1						
CALM	//								
TOTALS	[illegible]	[illegible]	[illegible]	[illegible]	.7				

TOTAL NUMBER OF OBSERVATIONS [illegible]

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION: UPPER HEYFORD RAF UK PERIOD OF RECORD: JUL 75 - JUN 88
ID: - 0 MONTH: SEP HOURS: 06-08

WIND SPEED IN KNOTS 15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
								3.4	4.5	4.0
								2.9	5.2	5.0
								2.7	5.7	5.0
								3.0	4.7	4.0
								2.0	4.1	2.5
.1								5.3	5.1	5.0
.7								10.[illegible]	5.3	5.0
.1								13.1	5.4	5.0
.7	.2							16.9	5.2	5.0
.[illegible]	.4							9.0	7.7	6.0
.[illegible]	.1							6.9	5.2	5.0
.1								7.0	4.9	4.5
								.2	9.0	9.0
//////////								0.3	//////////	
.[illegible]	.7							100.0	6.0	6.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WI
FROM HOURLY OBSERVATIONS

STATION NUMBER: 36563 STATION NAME: UPPER HEYFORD RAF UK PERI
LST TO UTC: - 0 MONT-

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49
(N) 350-010	.9	1.3	.7	.1					
020-040	.9	1.4	.9						
050-070	1.1	2.0	.4						
(E) 080-100	.2	2.0	1.0						
110-130	1.[illegible]	.9							
140-160	1.1	1.4	.5	.3					
(S) 170-190	3.7	4.2	3.1	1.0	.3				
200-220	3.[illegible]	7.[illegible]	5.3	1.7					
230-250	.[illegible]	5.4	4.5	2.1	.1				
(W) 260-280	1.0	3.6	3.[illegible]	1.7	.5	.3			
290-310	1.[illegible]	2.5	3.3	1.3	.7	.1			
320-340	1.[illegible]	2.6	2.3		.2				
VARIABLE		1.5	1.7	.1					
CALM	//								
TOTALS	17.4	36.5	32.6	8.6	1.9	.4			

TOTAL NUMBER OF OBSERVATIONS 237

TABLE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

: UPPER HEYFORD RAF UK — PERIOD OF RECORD: JUL 78 - JUN 88
- ^ — MONTH: SEP HOURS: 09-11

WIND SPEED IN KNOTS -19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
.1								3.0	7.0	8.0
								3.2	7.1	7.0
								3.6	6.1	6.0
								3.2	7.9	7.0
								1.9	5.2	4.0
.1								3.7	7.4	6.0
1.1	.3							12.6	8.2	6.0
1.7								19.0	[illegible]	[illegible]
2.1	.1							16.6	10.6	11.0
1.7	.5	.3						11.9	10.7	10.0
1.3	.7	.1						9.0	10.7	11.0
	.2							6.7	9.1	7.5
.1								3.6	9.6	9.5
//////////								2.0	//////////	
6.5	1.9	.4						100.0	8.3	9.0

NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A" PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIN
USAFTAC, ASHEVILLE NC FROM HOURLY OBSERVATIONS

STATION NUMBER: 3[illegible]3 STATION NAME: UPPER HAYFORD RAF UK [illegible]
LST TO UTC: - 0 MONTH

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-4[illegible]
(N) 350-010	.7	1.3	.4	.2					
020-040	.2	1.0	.6						
0[illegible]-07[illegible]	.[illegible]	2.1	.4						
(E) 0[illegible]-100	.3	.7	.[illegible]						
110-130	1.3	1.4	.4						
140-160	1.4	1.[illegible]	.2	.7					
(S) 170-190	1.2	4.3	3.[illegible]	.7	.2				
200-220	1.[illegible]	4.1	4.1	2.1	.5				
230-250	1.[illegible]	[illegible]	[illegible]	3.3	.[illegible]	.1			
(W) 260-280	.5	3.2	6.3	2.4	1.2	.2			
290-310	1.[illegible]	3.2	4.4	2.1	.3				
320-340	1.[illegible]	3.1	1.4	.4	.1				
VARIABLE		2.9	3.1	.7					
CALM	//								
TOTALS	1[illegible].[illegible]	24.7	32.3	13.5	3.[illegible]	.3			

TOTAL NUMBER OF OBSERVATIONS [illegible]

FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

[illegible] YEARS RAF UK PERIOD OF RECORD: JUL 78 - JUN 88
MONTH: SEP HOURS: 12-14

WIND SPEED IN KNOTS 1-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
							2.7	7.4	8.0
							1.8	7.5	7.0
							3.4	5.7	6.0
							2.0	6.7	7.0
							3.2	5.7	5.0
							4.1	7.3	6.0
.2							9.6	8.9	9.5
.0							14.3	10.6	11.0
.	.1						14.9	11.3	12.0
1.2	.2						11.8	12.4	11.0
.3							11.9	10.6	11.0
.1							7.0	7.9	7.0
							7.7	9.3	9.0
//							2.0	//////////////	
.	.3						100.0	9.7	10.0

NO. OF OBSERVATIONS 900

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WI
FROM HOURLY OBSERVATIONS

STATION NUMBER: 36583 STATION NAME: UPPER HOLSTON DAM TN
LST TO UTC: - 0

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-44
(N) 350-010	1.7	2.1	.4						
020-040	.3	1.6	.4	.1					
050-070	.4	1.[illegible]	.3						
(E) 080-100	.4	1.2	.2						
110-130	1.3	.9	.[illegible]		.1				
140-160	2.2	2.3	.7	.3	.1				
(S) 170-190	1.7	4.[illegible]	3.2	.[illegible]					
200-220	1.[illegible]	5.4	4.4	1.1	.4	.1			
230-250	1.1	4.[illegible]	[illegible]	3.[illegible]	1.2				
(W) 260-280	.[illegible]	4.2	5.4	2.[illegible]	1.3				
290-310	1.2	5.3	4.2	.3	.3				
320-340	1.[illegible]	4.3	1.1	.4					
VARIABLE		1.2	1.1	.1	.3				
CALM	//								
TOTALS	13.4	39.5	33.3	8.3	3.4	.1			

TOTAL NUMBER OF OBSERVATIONS 900

FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

WEYBRIDGE RAF UK PERIOD OF RECORD: JUL 79 - JUN 88
MONTH: SEP HOURS: 15-17

WIND SPEED IN KNOTS									
[illegible]	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
							4.2	5.1	5.0
							2.4	7.6	8.0
							2.6	6.5	7.0
							1.9	5.0	5.0
.1							2.7	5.5	4.5
.1							5.7	6.9	5.0
							10.4	[illegible]	8.0
.4	.1						12.8	9.9	9.0
[illegible]							19.0	11.4	11.0
[illegible]							13.5	11.2	11.0
[illegible]							12.0	9.4	9.0
							5.5	7.2	5.0
.3							2.8	11.5	10.0
//							3.4	//////////////	
[illegible]	.1						100.0	9.0	9.0

[illegible] OBSERVATIONS 900

OPERATING LOCATION "A" PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND
USAFETAC, ASHEVILLE, NC FROM HOURLY OBSERVATIONS

STATION NUMBER: 35553 STATION NAME: UPPER [illegible] AFB [illegible] PERIOD
LST TO UTC: - 0 MONTH:

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49
(N) 350-010	[illegible]	.8							
020-045	[illegible]	2.0		.2					
050-080	[illegible]	.9	.5						
(E) 080-100	.7	.7	.3						
110-130	[illegible]	1.1							
140-160	[illegible]	[illegible]	.2	.1	.1				
(S) 170-190	[illegible]	[illegible]	2.1	.1	.2				
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	.1				
[illegible]	[illegible]	7.2	[illegible]	1.[illegible]	.2				
(W) [illegible]	[illegible]	[illegible]	[illegible]	.[illegible]					
[illegible]	[illegible]	[illegible]	1.[illegible]	.4					
320-340	[illegible]	[illegible]	.[illegible]						
VARIABLE									
CALM	//								
TOTALS	[illegible].1	40.[illegible]	15.[illegible]	4.3	.6				

TOTAL NUMBER OF OBSERVATIONS [illegible]

FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

[illegible] HEYFORD RAF UK PERIOD OF RECORD: JUL 76 - JUN 83
MONTH: SEP HOURS: 18-20

WIND SPEED IN KNOTS 20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
							4.3	3.3	3.0
							4.6	5.5	5.0
							3.3	5.8	5.0
							1.9	5.0	5.0
							3.2	4.0	4.0
.1							8.0	5.7	5.[illegible]
.2							10.1	7.2	7.0
.1							15.1	7.7	7.0
.2							17.4	8.5	8.0
							11.9	7.9	7.0
							10.0	7.0	6.0
							6.0	5.3	4.5
//							7.7	//////////////	
.5							100.0	6.4	7.0

NUMBER OF OBSERVATIONS 300

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OPERATING LOCATION "A"              PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE
USAFETAC, ASHEVILLE NC                               FROM HOURLY OBSERVATIONS

STATION NUMBER: [illegible]   STATION NAME: UPPER HEYFORD [illegible]
                              LST TO UTC: - 0
..........................................................................
                                                WIND SPEED IN KNOTS
   DIRECTION        1-4    5-9  10-14  15-19  20-24  25-29  30-34  35-39  40-4
   (DEGREES)
..........................................................................
( ) 350-010   [illegible]   1.1     .1

    020-040   [illegible]   1.6            .2

    050-070   [illegible]   [illegible]   .6

( ) 080-100   [illegible]   1.1     .1

    110-130         1.7   [illegible]

    140-160   [illegible]   1.7     .3

( ) 170-190   [illegible]   [illegible]   1.6     .3            .1

    200-220   [illegible]   7.4   [illegible]     .1     .4

    230-250   [illegible]   [illegible]   [illegible]   [illegible]     .1

( ) 260-280   [illegible]   [illegible]   [illegible]     .3

    290-310   [illegible]   [illegible]   1.1     .2

    320-340   [illegible]   [illegible]     .4

..........................................................................
   VARIABLE                                .2

   CALM           ///////////////////////////////////////////////////////

   TOTALS     [illegible]   [illegible]   [illegible]   2.4     .7     .1

                           TOTAL NUMBER OF OBSERVATIONS   [illegible]
..........................................................................
```

FREQUENCY OF OCCURRENCE SPEED (KTS) DIRECTION VERSUS WIND SPEED
[illegible] HOURLY OBSERVATIONS

[illegible] PERIOD OF RECORD: JUL 7[illegible] - JUL [illegible]
MONTH: SEP HOURS: 21-23

WIND SPEED IN KNOTS							TOTAL %	MEAN (KTS)	MEDIAN (KTS)
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
							[illegible]	[illegible]	[illegible]
							[illegible]	[illegible]	[illegible]
							[illegible]	[illegible]	[illegible]
							[illegible]	[illegible]	[illegible]
							[illegible]	[illegible]	[illegible]
							[illegible]	[illegible]	[illegible]
	.1						10.1	[illegible]	[illegible]
[illegible]							[illegible]	[illegible]	[illegible]
[illegible]							[illegible]	[illegible]	[illegible]
							[illegible]	[illegible]	[illegible]
							[illegible]	[illegible]	[illegible]
							[illegible]	[illegible]	[illegible]
							.2	[illegible]	[illegible]
[illegible]							[illegible]	[illegible]	[illegible]
[illegible]	.1						10[illegible]	[illegible]	[illegible]

[illegible]

OPERATING LOCATION MAP PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIN
USAFETAC, ASHEVILLE NC FROM HOURLY OBSERVATIONS

STATION NUMBER: 13723 STATION NAME: UPPER HEYFORD RAF UK PERIO
EST TO UTC: - 0 MONTH

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-44
(N) 350-010	2.1	1.5	.2	.0					
020-040	1.0	1.5	.2	.1					
050-070	1.0	1.7	.4						
(E) 080-100	1.0	1.[illegible]	.3						
110-130	1.0	.3	.2		.0				
140-160	.0	2.0	.4	.2	.3				
(S) 170-190	4.7	4.5	2.3	.1	.1	.0			
200-220	4.	7.7	4.2	.1	.1	.1			
230-250	4.7	7.0	4.4	1.1	.1	.			
(W) 260-280	1.	4.3	3.4	1.2	.1	.1			
290-310	3.1	3.7	1.0	.7	.7	.1			
320-340	1.7	1.3	.	.1	.				
VARIABLE		.1	.	.2	.3				
CALM	//								
TOTAL	19.1	31.5	21.7	5.7	1.4	.			

TOTAL NUMBER OF OBSERVATIONS 7244

BY FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

[illegible] HAYFORD RAF UK PERIOD OF RECORD: JUL 78 - JUN 83
MONTH: SEP HOURS: ALL

WIND SPEED IN KNOTS 1-19	20-24	25-29	30-34	35-39	40-49	50-64	OF 65	TOTAL %	MEAN WIND	MEDIAN WIND
.0								3.7	4.9	4.0
.1								3.3	5.6	5.0
								2.3	5.9	5.0
								2.3	5.7	5.0
	.0							2.0	4.6	4.0
.0	.0							1.9	5.7	5.0
.	.1	.0						10.7	7.2	6.0
.	.3	.0						14.2	7.0	7.0
.	.0	.0						13.7	9.1	8.0
.	.0	.1						9.9	9.3	8.0
.0	.0	.0						8.3	8.3	8.0
.0	.0							5.5	5.0	5.0
.0	.0							1.9	10.3	10.0
//////////								7.0	//////////	
.0	1.4	.1						100.0	7.1	7.0

[illegible] OBSERVATIONS 7200

OPERATING LOCATION "[illegible]" PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND
USAFETAC, ASHEVILLE NC FROM HOURLY OBSERVATIONS

STATION NUMBER: [illegible] STATION NAME: [illegible] LAT: [illegible]
LST TO UTC: - [illegible] HOURS: [illegible]

CATEGORY A: CEILING OF 200 FEET BUT LESS THAN 1000 FEET WITH VISIBILITY OF 1/2 [illegible]
MILE/[illegible]
VISIBILITY OF 1/2 MILE ([illegible] METERS) BUT LESS THAN 3 MILES ([illegible]

	WIND SPEED IN KNOTS								
[illegible]	1-4	5-9	10-14	15-19	20-24	25-27	28-34	35-39	40-49
([illegible])									
(N) [illegible]	[illegible]	2.4	[illegible]	.2					
[illegible]	[illegible]	[illegible]	[illegible]	.4					
[illegible]	[illegible]	[illegible]	1.1						
( ) [illegible]	1.[illegible]	2.[illegible]	[illegible]						
[illegible]	[illegible]	1.[illegible]	.1						
[illegible]	[illegible]	[illegible]	1.[illegible]	[illegible]	.1				
(E) [illegible]	.1	[illegible]	[illegible]	[illegible]					
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	.4				
[illegible]	[illegible]	[illegible]	[illegible]	1.[illegible]	.4				
(S) [illegible]	.7	.[illegible]		.1	.1				
[illegible]	.7	1.[illegible]	.4						
[illegible]	[illegible]	1.1	[illegible]	.1					
[illegible]									
TOTAL	[illegible]	[illegible]	1.[illegible]	[illegible]	1.[illegible]				
TOTAL NUMBER OF OBS AVAILABLE [illegible]									

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ITAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
              FROM HOURLY OBSERVATIONS

 : UPPER HEYFORD RAF UK                 PERIOD OF RECORD:  JUL 7? - JUN ??
: - 0                                   MONTH: SEP     HOURS: ALL
..........................................................................

THAN 1500  FEET WITH VISIBILITY OF 1/2 MILE (0800 METERS).

(     METERS) BUT LESS THAN 3 MILES (4800 METERS) WITH CEILING OF 200 FEET.
..........................................................................
        WIND SPEED IN KNOTS
 -19  20-24  25-29  30-34  35-39  40-49  50-54  GE 55   TOTAL  MEAN  MEDIAN
..........................................................................
                                                           %   WIND   WIND
..........................................................................
  .2                                                      5.2   5.3    5.0

  .4                                                      5.    5.     5.0

                                                          7.1   5.4    5.0

                                                          4.9   5.7    5.0

                                                          4.4   4.4    4.0

  .       .1                                              7.0   6.6    6.0

  .                                                      16.2   7.0    6.0

  .       .4                                             13.4   8.3    8.0

 .4       .4                                             13.3   9.5   10.0

  .1      .1                                              1.4   5.0    4.5

                                                          1.3   5.     5.0

  .1                                                      3.9   4.3    4.0
..........................................................................

 ///////////////////////////////////////////////////////   4.8  ////////////

  .      1.0                                            100.0   6.4    6.0
 NUMBER OF OBSERVATIONS  114
..........................................................................
```

OPERATING LOCATION "WAW"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WI
FROM SUPPLY OBS OVATIONS

STATION NUMBER: [illegible] STATION NAME: UPPER [illegible] LAT TO UTC: - [illegible]

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-47
(N) 356-01	[illegible]	[illegible]	.1						
02[illegible]-[illegible]	[illegible]	1.[illegible]	[illegible]						
[illegible]-[illegible]	[illegible]	3.1	[illegible]						
(E) [illegible]-1[illegible]	[illegible]	1.3	[illegible]						
11[illegible]-1[illegible]	[illegible]	[illegible]	[illegible]						
1[illegible]-1[illegible]	[illegible]	[illegible]	.1	.1					
(S) 17[illegible]-1[illegible]	[illegible]	[illegible]	1.[illegible]	[illegible]		.1			
[illegible]-[illegible]	[illegible]	[illegible]	[illegible]	1.[illegible]					
[illegible]-[illegible]	[illegible]	[illegible]	[illegible]	1.[illegible]					
(W) [illegible]-[illegible]	1.[illegible]	[illegible]	1.[illegible]	1.[illegible]	.1				
[illegible]-[illegible]	[illegible]	[illegible]	[illegible]	.1	.1				
[illegible]-[illegible]	[illegible]	[illegible]	1.[illegible]						
VARIABLE			.1						
CALM	//////////								
TOTALS	[illegible]	[illegible]	16.7	[illegible]	.2	.1			

TOTAL NUMBER OF OBSERVATIONS [illegible]

FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

[illegible] RAF [illegible] PERIOD OF RECORD: JUL 7[illegible] - JUN 8[illegible]
MONTH: OCT HOURS: 00-02

WIND SPEED IN KNOTS										
[illegible]	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
								3.7	4.1	3.5
								4.4	4.5	4.0
								5.5	5.5	5.0
								4.2	4.7	4.0
								4.1	4.0	4.0
.1								5.0	4.5	4.0
.1		.1						10.5	7.1	6.5
.1								15.0	8.5	8.0
.1								14.1	[illegible]	[illegible]
.1	.1							7.2	8.0	8.0
.1	.1							4.5	7.7	7.0
								7.4	6.0	6.0
								.1	14.0	14.0
//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	10.0	//////////	//////////
.1	.0	.1						100.0	6.2	6.0

NUMBER OF OBSERVATIONS 930

OPERATING LOCATION: NAM
USAFETAC, ASHEVILLE, NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WI
FROM HOURLY OBSERVATIONS

STATION NUMBER: [illegible] STATION NAME: UPPER HEYFORD RAF UK
LST TO UTC: - 0

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-44
(N) 350-010	1.3	1.4	.6						
020-040	.7	2.2	.2						
050-070	1.1	2.3	.3						
(E) 080-100	2.3	2.4	.4						
110-130	2.3	.5	.4						
140-160	2.4	3.3	1.3		.1				
(S) 170-190	3.1	3.1	1.3	.9	.2				
200-220	4.3	.7	3.4	1.7	.3				
230-250	2.3	7.2	3.3	.5					
(W) 260-280	.3	2.3	1.1	.5	.3				
290-310	.	1.3	1.1	.3					
320-340	1.2	4.1	.5	.3					
VARIABLE									
CALM	//								
TOTALS	19.3	33.7	15.	6.	.3				

TOTAL NUMBER OF OBS WITHIN [illegible]

FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

: [illegible] HAYFORD RAF UK PERIOD OF RECORD: JUL 73 - JUN 86
- [illegible] MONTH: OCT HOURS: 03-05

	WIND SPEED IN KNOTS										
	[illegible]-19	20-24	25-29	30-34	35-39	40-49	50-64	65 or	TOTAL %	MEAN WIND	MEDIAN WIND
									4.0	5.7	5.0
									5.2	4.6	4.0
									3.7	4.1	5.0
									4.[illegible]	5.3	5.0
									3.3	4.7	4.0
		.1							3.1	5.[illegible]	5.0
[illegible]		.2							9.2	7.3	7.0
[illegible]		.3							10.4	6.1	7.0
[illegible]									13.2	7.0	7.0
[illegible]		.2							5.7	8.5	8.0
[illegible]									4.0	5.2	5.0
[illegible]									4.3	5.0	5.0
									10.4		
[illegible]		.3							100.0	6.3	6.0

[illegible] OF OBSERVATIONS 430

OPERATING LOCATION "A"
USAFFTAC, [illegible]VILLE [illegible]

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE
FROM HOURLY OBSERVATIONS

STATION NUMBER: [illegible] STATION NAME: [illegible]
LST TO UTC: - [illegible]

DIRECTION (DEGREES)	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-[illegible]
	WIND SPEED IN KNOTS								
(N) 350-[illegible]	[illegible]	1.2	1.2	.1					
[illegible]-[illegible]	[illegible]	[illegible]	.1		.2				
[illegible]-07	[illegible]	[illegible]	.4						
(E) [illegible]-1[illegible]	[illegible]	1.7	.4						
11[illegible]-1[illegible]	[illegible]	1.3	.4	.1					
14[illegible]-1[illegible]	[illegible]	[illegible]	1.1						
(S) 17[illegible]-1[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	.1	.1			
[illegible]-2[illegible]	[illegible]	[illegible]	[illegible]	1.2	.4				
[illegible]-2[illegible]	[illegible]	[illegible]	3.7	[illegible]	.1		[illegible]		
(W) [illegible]-[illegible]	[illegible]	[illegible]	[illegible]	.3	.2		.1		
[illegible]-31[illegible]	1.1	2.7	1.2	.4	.2				
[illegible]-34[illegible]	[illegible]	[illegible]	[illegible]	[illegible]					
VARIABLE		.1	.1						
CALM	//								
TOTALS	[illegible]	[illegible]	13.3	4.7	1.2	.1	.2		

TOTAL NUMBER OF OBSERVATIONS [illegible]

FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

[illegible] RAF UK PERIOD OF RECORD: JUL 7[illegible] - JUN [illegible]
MONTH: OCT HOURS: 06-08

WIND SPEED IN KNOTS 21-24	25-29	30-34	35-39	40-49	50-64	65 65	TOTAL %	MEAN WIND	MEDIAN WIND
							5.1	5.8	4.0
.2							4.3	4.9	4.0
							5.4	5.1	5.0
							4.9	5.0	4.0
							3.7	5.5	4.5
							7.2	5.7	5.0
.1	.1						9.7	6.2	6.5
.5							19.4	7.5	7.0
.1		.1					13.0	6.9	5.0
.2		.1					5.7	5.7	7.0
.2							5.6	5.4	7.0
							7.[illegible]	6.5	6.0
							.2	11.0	11.0
//////////							9.0	//////////	
1.2	.1	.2					100.0	6.7	6.0

OF OBSERVATIONS 230

OPERATING LOCATION "A" PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WI
USAFETAC, ASHEVILLE, NC [illegible]

STATION NUMBER: [illegible] STATION NAME: [illegible]
LST TO UTC: - 0

DIRECTION (DEG-TRUE)	WIND SPEED IN KNOTS 1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-4
(1) 355-015	1.[illegible]	1.7	1.[illegible]	.5					
020-045	1.[illegible]	1.4	.2						
045-070	1.[illegible]	1.4	.[illegible]	.2	.1				
(2) 070-100	1.[illegible]	1.7	.[illegible]	.2					
110-135	1.[illegible]	2.[illegible]	.[illegible]	.4					
140-165	[illegible]	[illegible]	1.1	.4					
(3) 170-195	1.[illegible]	[illegible]	3.[illegible]	1.[illegible]	.3				
200-225	1.[illegible]	[illegible]	4.7	3.1	.5				
230-255	.4	4.4	[illegible]	1.[illegible]	.[illegible]	.1			
(4) 260-285	.[illegible]	1.[illegible]	2.[illegible]	1.[illegible]	1.0	.2			
290-315	.	[illegible]	[illegible].4	.4	.2	.1			
320-345	[illegible]	[illegible]	2.4	.3					
VARIABLE	.1	.2	.3	.1	.1				
CALM	//								
TOTAL:	17.3	37.4	25.1	13.2	3.4	.4			

TOTAL NUMBER OF OBSERVATIONS [illegible]

FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

[illegible] AFB OK PERIOD OF RECORD: JUL 73 - JUN 84
MONTH: OCT HOURS: 09-11

WIND SPEED IN KNOTS 20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
							4.[illegible]	7.3	6.0
							2.9	5.5	5.0
.1							4.2	7.3	6.0
							4.1	6.7	6.0
							4.[illegible]	7.4	6.0
							6.3	7.[illegible]	6.0
.[illegible]							11.0	9.2	9.0
.0							10.[illegible]	[illegible]	9.0
.[illegible]	.1						13.[illegible]	11.4	11.0
[illegible]	.2						7.1	13.0	12.[illegible]
.[illegible]	.1						[illegible].0	[illegible]	10.0
							[illegible].4	7.0	[illegible].0
.1							.3	11.4	10.0
//							[illegible].7	//////////////	
[illegible]	.[illegible]						100.0	[illegible].7	9.0

OF OBSERVATIONS 330

OPERATING LOCATION [illegible] — [illegible] FREQUENCY [illegible]
[illegible], [illegible]VILLE [illegible] — [illegible]

STATION NUMBER: [illegible] — STATION NAME: [illegible]
[illegible]: - [illegible]

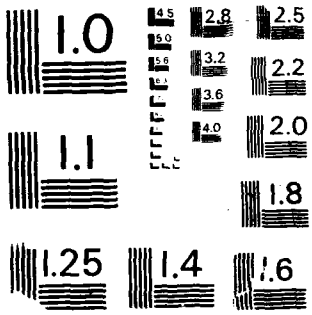
WIND SPEED IN KNOTS

DIRECTION (DEGREES)	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-[illegible]
(N) 350-010	1.[illegible]	1.[illegible]	1.1	.[illegible]					
020-040	.[illegible]	1.1	.	.1					
050-070	1.[illegible]	[illegible].[illegible]	1.						
(E) 080-100	.[illegible]	[illegible].[illegible]	1.7						
110-130	1.[illegible]	1.7	.[illegible]	.[illegible]					
140-160	1.[illegible]	[illegible].	[illegible].[illegible]	.[illegible]					
(S) 170-190	1.[illegible]	[illegible].	[illegible].1	.[illegible]	.[illegible]	.[illegible]			
200-220	1.1	[illegible].7	[illegible].	[illegible].[illegible]	.[illegible]	.[illegible]			
230-250	1.[illegible]	[illegible].[illegible]	[illegible].	[illegible].[illegible]	.	.[illegible]			
(W) 260-280	.[illegible]	1.[illegible]	[illegible].[illegible]	[illegible].[illegible]	[illegible].[illegible]				
290-310	.[illegible]	[illegible].	[illegible].[illegible]	[illegible].[illegible]	.[illegible]	.1			
320-340	.[illegible]	[illegible].	[illegible].[illegible]	.	.1				
VARBL		.[illegible]	.[illegible]	.[illegible]	.[illegible]				
CALM	//////	//////	//////	//////	//////	//////	//////	//////	//////
TOTALS	1[illegible].	[illegible].[illegible]	[illegible].	1[illegible].	[illegible].[illegible]	.[illegible]			

TOTAL NUMBER OF [illegible] [illegible]

AD-A211 167 SURFACE OBSERVATION CLIMATIC SUMMARIES (SOCS) FOR UPPER 4/8
HEYFORD RAF UNITED KINGDOM(U) AIR FORCE ENVIRONMENTAL
TECHNICAL APPLICATIONS CENTER SCOTT A.. JUN 89

UNCLASSIFIED USAFETAC/DS-89/206 F/G 4/2 NL


1.0
4.5
5.0
5.6
6.3
2.8
2.5
3.2
2.2
3.6
4.0
2.0
1.1
1.8
1.25
1.4
1.6

FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

[illegible] PERIOD OF RECORD: JUL 73 - JUN [illegible]
MONTH: OCT HOURS: 12-14

WIND SPEED IN KNOTS [illegible]	20-24	25-29	30-34	35-39	40-49	50-64	65 OR	TOTAL %	MEAN WIND	MEDIAN WIND
[illegible]								4.2	[illegible]	7.0
[illegible]								[illegible]	7.1	[illegible]
								[illegible]	[illegible]	7.0
								[illegible]	7.3	[illegible]
[illegible]								[illegible]	7.2	7.0
[illegible]								[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]						13.4	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]						1[illegible].4	11.[illegible]	11.[illegible]
[illegible]	[illegible]	[illegible]						15.[illegible]	11.[illegible]	11.0
[illegible]	1.[illegible]							[illegible].1	13.4	13.0
[illegible]	[illegible]	[illegible]						[illegible].[illegible]	1[illegible].1	[illegible]
[illegible]	[illegible]							[illegible]	[illegible]	[illegible]
[illegible]	[illegible]							1.7	14.2	14.5
//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	3.3	//////////	//////////
[illegible]	[illegible]	[illegible]						100.[illegible]	[illegible]	1[illegible].0

[illegible] OF OBSERVATIONS [illegible]

OPERATING LOCATION NAME: USAFTAC, ASHVILLE NC

PERCENTAGE FREQUENCY OF [illegible] SURFACE WIND [illegible]
[illegible] OBSERVATIONS

STATION NUMBER: [illegible] STATION NAME: [illegible]
EST TO UTC: - [illegible]

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	-
(N) 350-010	[illegible]	1.7	[illegible]	.4						
020-040	1.1	1.2	[illegible]	.1						
[illegible]	1.2	[illegible]	[illegible]							
(E) [illegible]	[illegible]	2.2	[illegible]	.2						
110-130	1.1	1.5	.2	.2						
140-160	[illegible]	[illegible]	1.2	.4						
(S) 170-190	[illegible]	4.5	[illegible]	1.4	.1					
200-220	[illegible]	[illegible]	4.7	2.4	.2					
230-250	1.2	4.3	[illegible]	2.2	.1	[illegible]				
(W) 260-280	1.7	[illegible]	[illegible]	1.2	[illegible]					
290-310	[illegible]	[illegible]	2.2	.4	.3					
320-340	[illegible]	[illegible]	1.3	[illegible]						
VARIABLE		.5	.1	.2	.1					
CALM	//									
TOTALS	21.2	37.4	24.5	2.5	1.4	.2				

TOTAL NUMBER OF OBSERVATIONS [illegible]

FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

[illegible] HEYFORD RAF UK PERIOD OF RECORD: JUL 7[illegible] - JUN 8[illegible]
MONTH: OCT HOURS: 15-17

WIND SPEED IN KNOTS 21-24	25-29	30-34	35-39	40-49	50-64	65 65	TOTAL %	MEAN WIND	MEDIAN WIND
							5.3	5.9	5.0
							2.9	6.1	5.0
							5.[illegible]	6.2	6.0
							4.5	6.9	6.0
							3.1	5.6	6.0
							6.6	7.3	7.0
.1							11.9	[illegible]	8.0
.2							15.[illegible]	9.4	9.0
.1	.0						14.[illegible]	10.[illegible]	10.0
.6							11.0	10.0	9.5
.3							7.2	[illegible]	8.0
							6.2	6.5	5.0
.1							.8	12.3	12.0
//////////							6.1	//////////	
1.4	.3						100.0	[illegible]	[illegible]

[illegible] OF OBSERVATIONS 930

OPERATING LOCATION MAP PERCENTAGE FREQUENCY OF OCCURRENCE OVERALL [illegible]
USAFFTAC, ATR WILL [illegible] FROM SUPPLY [illegible] STATIONS

STATION NUMBER: 36[illegible]3 STATION NAME: UPPER HEYFORD [illegible] [illegible]
LST TO UTC: - 0 [illegible]

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-45	[illegible]
(N) 350-010	2.0	1.5	.4							
020-040	2.0	.9		.1						
050-070	.5	2.4	.3							
(E) 080-100	2.6	2.0	1.1	.2						
110-130	1.9	1.2	.5							
140-160	1.0	2.7	1.5	.2						
(S) 170-190	3.3	6.7	2.3	.4						
200-220	4.3	9.1	4.6	1.4	.3					
230-250	3.2	6.7	3.	1.2	.1	.3				
(W) 260-280	2.1	4.3	2.5	.4	.1					
290-310	1.3	2.3	1.1							
320-340	1.	1.3	.3							
VARIABLE		.3								
CALM	//									
TOTALS	[illegible].7	39.4	17.9	4.4	.4	.3				

TOTAL NUMBER OF OBSERVATIONS [illegible]

FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

[illegible] HEYERDAL BANK — PERIOD OF RECORD: JUL 78 - JUN [illegible]
MONTH: OCT — HOURS: 18-20

	WIND SPEED IN KNOTS									
[illegible]	20-24	25-29	30-34	35-39	40-49	50-64	65 [illegible]	TOTAL %	MEAN WIND	MEDIAN WIND
								4.0	5.3	4.0
.1								3.9	4.1	3.0
								4.3	5.5	5.0
.								5.9	6.2	5.0
								3.7	5.1	4.0
.								5.5	7.2	7.0
.1								12.6	7.3	7.0
.	.3							17.1	8.6	8.0
.	.1	.3						14.5	8.6	8.0
.	.1							9.1	7.7	7.0
								5.9	6.1	6.0
								4.9	5.4	4.0
								.2	3.9	8.0
//////////								1.6	//////////	
.	.7	.3						100.0	6.5	7.0

NUMBER OF OBSERVATIONS 630

OPERATING LOCATION WAW PERCENTAGE FREQUENCY OF [illegible]
USAFETAC, ASHEVILLE NC [illegible]

STATION NUMBER: [illegible] STATION NAME: [illegible] [illegible]
LST TZ UTC: [illegible] [illegible]

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	[illegible]
(N) 350-01	[illegible]	[illegible]	[illegible]							
020-049	[illegible]	1.[illegible]	.1							
050-079	1.[illegible]	[illegible]	[illegible]							
(E) 080-1[illegible]	[illegible]	1.[illegible]	[illegible]	[illegible]						
110-139	2.7	1.1	.4							
140-169	[illegible]	[illegible]	.4	.2						
(S) 170-1[illegible]	[illegible]	4.[illegible]	2.[illegible]	.2						
2[illegible]0-2[illegible]	4.2	7.[illegible]	4.[illegible]	1.2	.1					
2[illegible]0-2[illegible]	[illegible]	[illegible]	[illegible]	1.[illegible]	[illegible]					
(W) 2[illegible]0-3[illegible]	1.[illegible]	[illegible]	1.	.4	[illegible]					
3[illegible]0-31	1.[illegible]	[illegible]	[illegible]	.1						
3[illegible]0-3[illegible]	3.4	3.1	[illegible]	.1						
VARIABLE										
CALM	//////////									
TOTALS	31.[illegible]	3[illegible].0	1[illegible].4	3.7	[illegible]					

TOTAL NUMBER OF OBSERVATIONS [illegible]

```
 FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
        FROM HOURLY OBSERVATIONS

                                        PERIOD OF RECORD:  JUL 7- - JUN 8-
                                        MONTH: OCT      HOURS: 21-23
...................................................................
   WIND SPEED IN KNOTS
 20-24  25-29  30-34  35-39  40-49  50-64  GT 64   TOTAL  MEAN  MEDIAN
                                                     %    WIND   WIND
....... ...........................................................
                                                   3.1    4.2    3.0

                                                   4.6    4.5    4.0

                                                   4.9    [illegible]    5.0

                                                   5.5    5.0    4.0

                                                   4.[illegible]    4.5    4.0

                                                   5.7    5.4    4.0

                                                   8.6    7.4    7.0

      .1                                          10.3    8.2    7.0

      .                                           15.[illegible]    [illegible]    [illegible].0

      .3                                           [illegible]    8.3    7.0

                                                   5.1    5.9    7.0

                                                   7.[illegible]    5.5    4.0

...................................................................


/////////////////////////////////////////////////  9.0  /////////////

      .5                                         100.0    6.3    6.0
 TOTAL OF OBSERVATIONS    930
...................................................................
```

```
OPERATING LOCATION A           PERCENTAGE FREQUENCY OF [illegible]
USAFETAC, ASHEVILLE NC                      [illegible]

STATION NUMBER: [illegible]    STATION NAME: [illegible]
                               LAT TO UTC: - [illegible]
.............................................................................
                                              WIND SPEED IN KNOTS
   DIRECTION      1-4    5-9   10-14  15-19  20-24  25-29  30-34  35-39  40-44
.............................................................................
   (DEGREES)
.............................................................................
(N) 350-010       2.1    1.3     .4     .2

    020-040        .1    1.4     .      .      .

    050-070       1.4     .      .      .      .

(E) 080-100       2.1    1.      .      .1

    110-130       1.9    1.3     .4     .1

    140-160        .      .5    1.      .2     .

(S) 170-190        .     4.5    2.7     .7     .2     .

    200-220        .     7.     5.7     .      .4     .

    230-250       1.     5.4    4.6    1.4     .      .1     .

(W) 260-280       1.2     .     2.1    1.      .6     .      .

    290-310       1.1    2.     1.      .4     .1     .

    320-340        .7    3.2    1.      .      .

.............................................................................
   VARIABLE        .      .2     .1     .1     .1

   CALM      //////////////////////////////////////////////////////////////

   TOTALS         24.7   32.4   20.4    6.7    1.5     .1

                                 TOTAL NUMBER OF OBSERVATIONS  74
.............................................................................
```

[illegible]CY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
[illegible] HOURLY OBSERVATIONS

[illegible] AFB [illegible] PERIOD OF RECORD: JUL 7[illegible] - JUN [illegible]
MONTH: OCT HOURS: ALL

SPEED IN KNOTS [illegible]-29	30-34	35-39	40-49	50-64	65-UP	TOTAL %	MEAN WIND	MEDIAN WIND
						4.3	5.9	5.0
						3.[illegible]	5.0	4.0
						4.[illegible]	6.3	5.0
						4.[illegible]	5.9	5.0
						3.[illegible]	5.[illegible]	5.[illegible]
						5.[illegible]	5.3	5.0
.[illegible]						10.[illegible]	5.2	5.[illegible]
.[illegible]						1[illegible].[illegible]	5.[illegible]	[illegible].0
.2	.[illegible]					14.[illegible]	5.[illegible]	5.0
.[illegible]	.0					7.[illegible]	5.6	5.0
.[illegible]						[illegible].[illegible]	[illegible].4	[illegible].0
						7.4	5.5	5.0
						.5	12.7	12.5
//						7.5	//////////////	
.1						100.0	7.3	7.0

[illegible] OBSERVATIONS 7443

OPERATING LOCATION: [illegible] PERCENTAGE FREQUENCY OF [illegible]
[illegible]

STATION NUMBER: [illegible] STATION NAME: [illegible]
LAT LONG: [illegible]

CATEGORY 3: CEILING [illegible] FEET [illegible] VISIBILITY [illegible]

VISIBILITY [illegible] (SEE [illegible]) [illegible]

		WIND SPEED (KNOTS)							
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
(SEASONS)									
(3)	[illegible]	[illegible]	[illegible]	1.1	.1				
	[illegible]	[illegible]	1.3	[illegible]		.1			
	[illegible]	1.4	[illegible]	[illegible]		.1			
(4)	[illegible]	[illegible]	1.	[illegible]	.1				
	[illegible]	[illegible]	[illegible]	.	.1				
	[illegible]	[illegible]	[illegible]	1.1	.7	.1			
(5)	[illegible]	[illegible]	7.	[illegible]	1.1	[illegible]	[illegible]		
	[illegible]	[illegible]	[illegible]	[illegible]	4.7	[illegible]			
	[illegible]	.	[illegible]	[illegible]	.	[illegible]		.1	
(6)	[illegible]	[illegible]	[illegible]	.1				.1	
	[illegible]	.7	1.1	[illegible]					
	[illegible]	[illegible]	[illegible]	1.[illegible]	.1				
VARIABLE									
CALM	//////////								
TOTALS		[illegible]	[illegible]	[illegible]	7.[illegible]	1.1	.1	[illegible]	

TOTAL NUMBER OF OBSERVATIONS [illegible]

FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
HOURLY OBSERVATIONS

[illegible] YEARS OF [illegible] PERIOD: JUL 7[illegible] - JU[illegible]
MONTH: OCT HOURS: ALL

[illegible] WITH VISIBILITY [illegible] 1/2 MILE ([illegible] METERS).

[illegible] NOT LESS THAN 3 MILES (4[illegible] METERS) WITH CEILING OF 200 FEET.

WIND SPEED IN KNOTS [illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	TOTAL %	[illegible]	[illegible]
							[illegible]	[illegible]	[illegible]
							[illegible]	[illegible]	[illegible]
[illegible]							[illegible]	[illegible]	[illegible]
[illegible]							[illegible]	[illegible]	[illegible]
							[illegible]	[illegible]	[illegible]
[illegible]							[illegible]	[illegible]	[illegible]
[illegible]							[illegible]	[illegible]	[illegible]
[illegible]	[illegible]						[illegible]	[illegible]	[illegible]
[illegible]							[illegible]	[illegible]	[illegible]
[illegible]		[illegible]					[illegible]	[illegible]	[illegible]
		[illegible]					[illegible]	[illegible]	[illegible]
							[illegible]	[illegible]	[illegible]
							[illegible]	[illegible]	[illegible]
[illegible]							[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]					[illegible]	[illegible]	[illegible]

[illegible] OF OBSERVATIONS 1493

```
[illegible]                        [illegible]
[illegible], [illegible] VILL [illegible]

STATI[illegible]      [illegible]    STATI[illegible] NAME: [illegible]
                                  [illegible]: - [illegible]
.............................................................................
                                                  [illegible]
   [illegible]       [illegible]
   ([illegible])
.............................................................................
( ) [illegible]      1.[illegible]  [illegible]   .[illegible]

    [illegible]      1.1    1.7      .[illegible]

    [illegible]       .     [illegible].7  .[illegible]  .1

( ) [illegible]      1.1    1.7      .[illegible]  .1

    11 -1[illegible] 1.     1.[illegible]   .

    1[illegible]     1.     [illegible].   1.[illegible]

( ) [illegible]      [illegible]  [illegible]  [illegible]  .[illegible]  .7

    [illegible]      1.[illegible]  [illegible]  [illegible]  [illegible]  1.1  .[illegible]

    [illegible]       .      .     [illegible].   [illegible].   .[illegible]

( ) [illegible]      1.[illegible]  [illegible]  [illegible]  1.   .[illegible]  .1

    [illegible]      1.[illegible]  [illegible].7  1.   .

    [illegible]      .[illegible]  [illegible]  1.[illegible]  .[illegible]  .
.............................................................................
   [illegible]                         .[illegible]

   [illegible]       ////////////////////////////////////////////////////////

   [illegible]       1[illegible].  [illegible]  [illegible].7  [illegible].  [illegible]  .[illegible]

                            [illegible]
.............................................................................
```

FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

[illegible] HEYBERG AAF OK PERIOD OF RECORD: JUL 73 - JUN 84
MONTH: NOV HOURS: 00-02

WIND SPEED IN KNOTS 20-24	25-29	30-34	35-39	40-49	50-64	65 65	TOTAL %	MEAN WIND	MEDIAN WIND
							4.1	6.9	7.0
							3.2	5.9	6.0
							4.[illegible]	7.3	7.0
							3.3	5.7	5.5
							3.[illegible]	4.[illegible]	4.0
							[illegible].3	7.[illegible]	7.0
.7							9.2	9.5	9.0
1.1	.2						16.7	11.0	11.0
.2							16.[illegible]	11.0	10.0
.2	.1						[illegible].9	9.5	9.0
							6.4	6.9	7.0
.3							3.2	7.2	6.0
							.4	12.0	12.0
//							6.[illegible]	//////////////	
2.6	.3						100.0	8.2	8.0

NUMBER OF OBSERVATIONS 900

OPERATING LOCATION NAM
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND
FROM HOURLY OBSERVATIONS

STATION NUMBER: 36553 STATION NAME: UPPER HEYFORD RAF UK
LST TO UTC: - 0

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-
(N) 350-010	1.6	2.5	1.5	.2						
020-040	1.1	1.0	.4							
050-070	1.6	3.7	1.4							
(E) 080-100	.4	1.2	.4							
110-130	1.3	1.3	.5	.1						
140-160	1.7	3.4	.5							
(S) 170-190	1.0	2.3	5.	.7	.1	.4				
200-220	3.4	7.2	5.	4.0	1.1	.1				
230-250	3.	5.4	4.0	2.5	.1					
(W) 260-280	1.1	4.4	1.7	1.1	.1	.1				
290-310	1.5	2.5	1.	.5	.2					
320-340	2.7	4.	1.0	.4	.1					
VARIABLE			.2	.1						
CALM	//									
TOTALS	15.6	37.5	24.2	9.5	1.5	.5				

TOTAL NUMBER OF OBSERVATIONS 720

FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

[illegible] HEYFORD RAF UK PERIOD OF RECORD: JUL 78 - JUN 88
MONTH: NOV HOURS: 03-05

WIND SPEED IN KNOTS 20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
							5.0	5.5	5.0
							2.6	5.7	6.0
							5.1	7.4	7.0
							2.6	7.6	7.0
							3.3	6.1	6.0
							4.7	6.2	6.0
.1	.3						9.2	10.2	10.0
1.1	.1						20.7	10.5	10.0
.1							15.4	9.4	9.0
.1	.1						8.7	8.9	8.0
.2							5.9	8.0	7.0
.1							10.0	7.2	6.0
							.3	14.7	14.0
//							7.5	//////////	
1.5	.5						100.0	8.0	8.0

NO. OF OBSERVATIONS 900

OPERATING LOCATION WAM
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DI
FROM HOURLY OBSERVATIONS

STATION NUMBER: 36583 STATION NAME: UPPER HEYFORD RAF UK
LST TO UTC: - 0

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-44
(N) 350-010	1.4	2.2	1.0						
020-040	1.4	1.7	.4						
050-070	1.6	2.2	.9	.7					
(E) 080-100	.3	1.3	.2						
110-130	.9	1.4	1.1						
140-160	1.2	2.5	1.1						
(S) 170-190	1.3	2.9	2.1	.8	.4		.1		
200-220	3.0	6.5	7.4	4.3	.8				
230-250	1.4	5.2	4.1	2.1	.4	.1			
(W) 260-280	.9	3.9	1.7	.7	.1				
290-310	1.1	2.0	1.3	.4	.3				
320-340	2.1	4.4	2.3	.4					
VARIABLE		.1	.1		.1				
CALM	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////
TOTALS	14.2	35.7	24.7	9.4	2.3	.1	.1		

TOTAL NUMBER OF OBSERVATIONS 900

FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

[illegible] HEYFORD RAF UK PERIOD OF RECORD: JUL 78 - JUN 88
MONTH: NOV HOURS: 06-08

WIND SPEED IN KNOTS 20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
							4.7	6.4	5.0
							3.7	5.7	5.0
							4.5	8.8	8.0
							2.3	5.9	5.0
							3.4	7.0	6.0
							5.6	6.3	6.5
.4		.1					8.1	9.4	8.0
.8							22.4	10.4	10.5
.5	.1						14.0	9.4	9.0
.1							7.2	8.6	8.0
.3							5.9	9.2	9.0
							9.3	7.3	6.5
.1							.3	12.0	11.0
//////////							8.3	//////////	
2.3	.1	.1					100.0	8.0	8.0

NO. OF OBSERVATIONS 900

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND
FROM HOURLY OBSERVATIONS

STATION NUMBER: 3563 STATION NAME: UPPER HAYFORD RAF UK PERIOD
LST TO UTC: - 0 MONTH:

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-44
(N) 350-010	1.7	2.5	1.0	.1					
020-040	.9	1.2	.3	.3					
050-070	.7	2.3	1.1	.6	.1				
(E) 080-100	.7	1.7	.4	.1					
110-130	1.3	1.2	1.2	.9					
140-160	3.1	2.4	1.4	.2					
(S) 170-190	1.9	2.5	3.1	.9	1.0				
200-220	2.3	5.3	6.2	3.8	1.3	.2			
230-250	1.4	4.3	5.9	2.6	.4	.3			
(W) 260-280	.5	3.3	2.4	1.2	.2				
290-310	.7	2.4	2.9	.9	.2				
320-340	1.6	3.1	2.3	.7					
VARIABLE		.1	.1	.1					
CALM	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////
TOTALS	16.5	34.1	29.1	11.5	4.2	.5			

TOTAL NUMBER OF OBSERVATIONS 999

NCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

YFORD RAF UK PERIOD OF RECORD: JUL 73 - JUN 83
MONTH: NOV HOURS: 09-11

SPEED IN KNOTS	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
							5.6	6.6	6.0
							3.2	7.8	7.0
							4.8	9.0	8.0
							2.9	7.4	7.0
							4.0	7.6	8.0
							6.2	6.9	6.0
							7.8	10.0	9.5
	.2						20.1	11.3	11.0
	.3						15.5	11.3	12.0
							7.8	10.4	9.5
							6.4	10.1	10.0
							9.7	8.1	7.0
							.3	12.7	14.0
//////////							4.7	//////////	
	.5						100.0	9.2	9.0

OBSERVATIONS 900

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND
FROM HOURLY OBSERVATIONS

STATION NUMBER: 3[illegible]3 STATION NAME: UPPER HEYFORD RAF UK PERIOD
LST TO UTC: - 0 MONTH:

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49
(1) 350-010	1.1	2.1	1.3	.3					
020-040	.5	2.3	.6	.1					
050-070	.2	3.0	.5	.4	.2				
(2) 080-100	1.2	1.7	.6	.3	.1				
110-130	1.2	.8	1.0	.1					
140-160	1.[illegible]	3.0	1.5	.[illegible]	.1				
(3) 170-190	1.5	3.2	1.[illegible]	.9	.9	.1			
200-220	1.2	4.3	6.[illegible]	4.5	2.0	.1	.1		
230-250	.9	3.7	7.0	3.6	1.7	.1			
(4) 260-280	.3	2.3	3.0	1.[illegible]	.7	.1			
290-310	.5	3.1	3.7	1.7	.2				
320-340	1.4	3.9	2.4	.4	.2				
VARIABLE		.7	.4	.3	.1	.1			
CALM	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////
TOTALS	11.[illegible]	32.6	33.3	15.4	6.2	.3	.1		

TOTAL NUMBER OF OBSERVATIONS [illegible]

FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

: UPPER HEYFORD RAF UK — PERIOD OF RECORD: JUL 78 - JUN 83
-) — MONTH: NOV HOURS: 12-14

WIND SPEED IN KNOTS 1-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
.3								4.9	7.9	7.0
.1								3.6	7.3	7.5
.4	.2							4.4	8.2	6.0
.5	.1							3.9	7.4	6.0
.1								2.7	7.2	7.0
.5	.1							6.5	8.7	7.0
.9	.9	.1						8.6	9.6	7.0
4.0	2.0	.1	.1					18.6	12.6	13.0
3.5	1.7	.1						16.9	12.4	12.0
1.5	.7	.1						8.2	12.2	12.0
1.7	.2							9.2	11.0	10.0
.9	.2							4.4	8.5	8.0
.3	.1	.1						1.7	12.6	11.0
//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	2.2	//////////	//////////
10.4	6.2	.5	.1					100.0	10.4	10.0

NUMBER OF OBSERVATIONS 900

OPERATING LOCATION MAW
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WI
FROM HOURLY OBSERVATIONS

STATION NUMBER: 36653 STATION NAME: UPPER HEYFORD RAF UK
LST TO UTC: - 0

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-44
(N) 350-010	3.2	2.7	1.6	.1					
020-040	.3	2.0	.1						
050-070	.7	3.1	.5	.7					
(E) 080-100	.7	1.5	.2	.1					
110-130	1.3	1.4	.5						
140-160	1.4	2.9	1.0	.4	.1				
(S) 170-190	1.	3.1	1.6	1.1	.4	.1			
200-220	1.7	4.8	7.1	3.0	1.0		.1		
230-250	1.4	4.9	7.5	2.4	1.1	.1			
(W) 260-280	.7	3.3	3.7	1.3	.3				
290-310	1.2	3.9	3.4	1.3		.2			
320-340	3.7	2.8	1.2	.2	.2				
VARIABLE									
CALM	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////
TOTALS	19.3	36.5	28.3	11.1	3.1	.4	.1		

TOTAL NUMBER OF OBSERVATIONS 303

TABLE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

[illegible]: UPPER HEYFORD RAF UK — PERIOD OF RECORD: JUL 73 - JUN 78
[illegible] - [illegible] — MONTH: NOV HOURS: 15-17

WIND SPEED IN KNOTS [illegible]-19	20-24	25-29	30-34	35-39	40-49	50-54	GE 55	TOTAL %	MEAN WIND	MEDIAN WIND
.1								5.5	5.5	6.0
								3.0	5.5	6.0
.2								5.2	5.4	8.0
.1								2.[illegible]	6.9	7.0
								3.3	5.0	5.0
.	.1							5.3	8.0	7.0
1.1	.4	.1						7.1	9.5	[illegible]
3.0	1.0		.1					17.7	11.0	11.0
[illegible]	1.1	.1						1[illegible].0	11.3	11.5
1.0	.3							[illegible].5	9.[illegible]	9.0
1.3		.2						10.2	9.9	9.5
.2	.2							7.1	6.9	7.0
//////////								4.1	//////////	
11.1	3.1	.4	.1					100.0	9.9	9.0

[illegible] NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"　　　PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WI
USAFETAC, ASHEVILLE NC　　　FROM HOURLY OBSERVATIONS

STATION NUMBER: 35553　　STATION NAME: UPPER HEYFORD RAF UK
LST TO UTC: - 0

DIRECTION (DEGREES)	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-4
				WIND SPEED IN KNOTS					
(N) 350-010	1.9	1.9	1.4	.3					
020-040	2.0	2.3	.3	.2					
050-070	1.2	2.5	1.1	.3					
(E) 080-100	.3	1.3	.2	.3					
110-130	2.2	2.1	.5						
140-160	[illegible]	[illegible]	1.0						
(S) 170-190	1.3	2.1	[illegible]	1.4	.5	.2			
200-220	[illegible]	[illegible]	[illegible]	[illegible]	.3				
230-250	[illegible]	[illegible]	[illegible]	1.3	.5				
(W) 260-280	1.4	5.4	3.1	.7	.1				
290-310	[illegible]	3.0	[illegible]	.6	.1				
320-340	[illegible]	[illegible]	[illegible]	.4					
VARIABLE		.2	.4	.1					
CALM	//////////////////////////								
TOTALS	[illegible]	33.2	[illegible]	9.5	1.3	.2			

TOTAL NUMBER OF OBSERVATIONS [illegible]

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

ITEM: UPPER HAYFORD RAF UK — PERIOD OF RECORD: JUL 78 - JUN 80
ID: - 0 — MONTH: NOV — HOURS: 18-23

	WIND SPEED IN KNOTS										
	1-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	TOTAL %	MEAN WIND	MEDIAN WIND
	.3								5.9	7.1	7.0
	.2								4.9	5.3	5.5
	.3								5.2	7.8	6.0
	.3								2.7	7.1	6.0
									4.0	5.6	5.5
									5.7	5.0	5.0
	1.4	.5	.2						8.1	11.1	11.0
	3.3	.2							1[illegible].9	10.3	10.0
	1.3	.3							13.5	10.3	10.0
	.7	.1							8.[illegible]	[illegible].9	9.0
	.[illegible]	.1							7.[illegible]	[illegible]	8.[illegible]
	.5								7.3	6.[illegible]	6.0
	.1								.9	11.4	11.0
									4.7		
	9.[illegible]	1.3	.2						100.0	8.2	8.0

TOTAL NUMBER OF OBSERVATIONS 400

OPERATING LOCATION "A" PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WI
USAFETAC, ASHEVILLE NC FROM HOURLY OBSERVATIONS

STATION NUMBER : 36753 STATION NAME: DOBBS AIRPORT AFB GA
EST TZ UTC: - 0

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-6	7-9	10-14	15-19	20-24	25-29	30-34	35-39	40-4
(N) 350-21	2.0	2.0	1.[illegible]	.2					
22-50	1.4	1.4	.3						
51-80	.7	2.2	.[illegible]	.1					
(E) 81-110	.4	1.7	.5	.3					
111-140	1.0	1.1	.2	.1					
141-170	.[illegible]	.3	1.4	.1					
(S) 171-200	1.[illegible]	3.1	1.7	1.4	.2	.2			
201-230	3.7	1.0	6.3	3.[illegible]	.4	.1			
231-260	1.1	.2	4.7	2.1	.3	.1			
(W) 261-290	1.0	3.4	2.[illegible]	1.2	.2				
291-320	.3	2.7	2.[illegible]	.5					
321-350	.4	2.[illegible]	1.2	.6	.3				
VARIABLE		.2	.[illegible]	.1					
CALM									
TOTALS	21.2	35.8	22.2	10.4	1.[illegible]	.4			

TOTAL NUMBER OF OBSERVATIONS [illegible]

FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

H-YEARS KAFBUK PERIOD OF RECORD: JUL 74 - JUN 84
MONTH: NOV HOURS: 21-23

WIND SPEED IN KNOTS									
-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
							5.1	5.5	6.0
							3.2	5.2	5.0
							3.5	7.3	5.0
							3.4	7.4	5.0
							3.1	5.5	4.5
							7.0	5.7	6.0
.0	.0						3.4	9.1	8.0
.0	.1						19.3	10.3	10.0
.0	.1						13.3	10.4	10.0
.0							4.3	9.5	8.0
							5.4	6.5	6.0
.0							9.2	7.0	5.0
							.9	12.0	12.5
//							6.7	//////////////	
1.0	.0						100.0	8.1	6.0

NO. OF OBSERVATIONS 900

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND
FROM HOURLY OBSERVATIONS

STATION NUMBER: 35553 STATION NAME: UPPER HEYFORD RAF UK
LST TO UTC: - 0

PERI
MONTH:

DIRECTION (DEGREES)	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49
				WIND SPEED IN KNOTS					
(N) 350-010	1.5	2.3	1.2	.2					
020-040	1.2	1.7	.4	.1					
050-070	.[illegible]	2.[illegible]	.9	.4	.0				
(E) 080-100	.9	1.5	.4	.2	.0				
110-130	1.2	1.3	.7	.1					
140-160	1.[illegible]	2.0	1.[illegible]	.5	.2				
(S) 170-190	1.5	2.8	2.2	1.0	.5	.1	.0		
200-220	2.4	5.8	5.3	3.0	1.1	.1	.0		
230-250	1.4	4.9	5.[illegible]	2.5	.7	.1			
(W) 260-280	1.9	3.5	2.4	1.1	.3	.0			
290-310	1.1	2.9	2.3	.7	.1	.0			
320-340	2.4	2.9	1.7	.4	.2				
VARIABLE		.2	.5	.1	.0	.0			
CALM	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////
TOTALS	17.9	36.3	25.[illegible]	11.0	2.9	.3			

TOTAL NUMBER OF OBSERVATIONS 72[illegible]

QUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

WORD RAF UK PERIOD OF RECORD: JUL 76 - JUN 86
MONTH: NOV HOURS: ALL

SPEED IN KNOTS								
26-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
						5.3	6.8	6.0
						3.4	6.2	6.0
						4.7	8.3	8.0
						3.0	7.1	6.0
						3.5	6.2	6.0
						6.2	7.0	7.0
.1	.0					8.2	9.9	9.0
.1	.0					10.6	10.9	11.0
.1						15.6	10.5	10.0
.0						8.3	9.7	9.0
.0						7.2	9.1	9.0
						8.5	7.4	7.0
.0						.6	12.3	12.0
//						5.6	//////////////	
.0						100.0	8.6	8.0

OF OBSERVATIONS 7200

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DI
FROM HOURLY OBSERVATIONS

STATION NUMBER: 53653 STATION NAME: UPPER HEYFORD RAF UK PERIOD O
LST TO UTC: - 0 MONTH: [illegible]

CATEGORY A: CEILING OF 200 BUT LESS THAN 1500 FEET WITH VISIBILITY OF 1/2 MILE
AND/OR
VISIBILITY OF 1/2 MILE (0800 METERS) BUT LESS THAN 3 MILES (4800 MET

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-
(N) 350-010	[illegible]	3.7	1.1	.1						
020-040	[illegible]	2.0	.4	.1						
050-070	1.4	4.0	1.0	.1						
(E) 080-100	1.1	[illegible]	.7	.2						
110-130	[illegible]	1.6	[illegible]	.1						
140-160	[illegible]	5.7	1.7	.3						
(S) 170-190	1.4	3.7	[illegible]	[illegible]	.	.2				
200-220	1.7	5.1	[illegible]	5.2	[illegible]	.1				
230-250	1.2	2.8	3.9	2.6	1.0	.2				
(W) 260-280	[illegible]	.2	.2							
290-310	[illegible]	1.0	.7	.2						
320-340	2.3	3.2	.5	.2	.1					
VARIABLE										
CALM	//////////									
TOTALS	20.[illegible]	36.2	20.4	9.4	3.9	[illegible]				

TOTAL NUMBER OF OBSERVATIONS 1[illegible]7

ENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

WOOD RAF UK PERIOD OF RECORD: JUL 78 - JUN 88
MONTH: NOV HOURS: ALL

FEET WITH VISIBILITY GE 1/2 MILE (0800 METERS).

) NOT LESS THAN 3 MILES (4800 METERS) WITH CEILING GE 200 FEET.

SPEED IN KNOTS

	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
							7.9	6.0	6.0
							4.3	6.1	5.0
							7.1	7.2	7.0
							4.7	6.3	6.0
							5.3	4.9	4.0
							10.4	6.3	7.0
.2							9.4	10.0	9.0
.1							22.1	12.1	12.0
.2							10.1	11.5	12.0
							.3	5.2	3.0
							2.3	7.9	5.0
							6.2	6.2	5.0
//							8.8	//////////	
.5							100.0	8.0	8.0

OBSERVATIONS 1667

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND
FROM HOURLY OBSERVATIONS

STATION NUMBER: 36553 STATION NAME: UPPER HEYFORD RAF UK PERIOD
LST TO UTC: - 0 MONTHS

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49
(N) 350-010	.3	1.4	.3	.3					
020-040	.4	1.6	.3	.3	.1				
050-070	.4	2.2	1.7	.2	.1				
(E) 080-100	2.2	1.8	.5	.3					
110-130	1.2	2.5	.9						
140-160	2.[illegible]	3.4	1.4	.9	.2				
(S) 170-190	2.4	2.9	2.2	1.2	.3				
200-220	2.3	5.3	4.5	4.5	.6				
230-250	1.7	5.5	5.5	2.2	.3	.2			
(W) 260-280	.5	3.2	1.5	1.2	.5				
290-310	.5	2.9	1.9	.5	.5				
320-340	1.2	2.9	2.4	.1					
VARIABLE		.1	.1						
CALM	//////////								
TOTALS	17.2	37.5	24.3	11.4	2.7	.2			

TOTAL NUMBER OF OBSERVATIONS 930

FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

[illegible] HEYFORD RAF UK PERIOD OF RECORD: JUL 73 - JUN 88
MONTH: DEC HOURS: 00-02

WIND SPEED IN KNOTS 20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
							2.8	7.6	6.0
.1							2.8	8.4	8.0
.1							4.5	8.0	8.0
							4.9	6.1	5.0
							4.9	5.9	5.0
.2							7.4	7.0	6.0
.3							8.8	9.5	7.0
.6							20.2	10.1	9.0
.3	.2						17.7	10.0	10.0
.5							7.3	10.9	9.0
.5							5.8	10.4	10.0
							5.7	7.8	7.5
							.2	10.5	10.5
//							5.7	//////////////	
2.7	.2						100.0	8.5	8.0

NO. OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIN
FROM HOURLY OBSERVATIONS

STATION NUMBER: 36563 STATION NAME: UPPER HEYFORD RAF UK PERIO
LST TO UTC: - 0 MONTH:

DIRECTION (DEGREES)	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49
					WIND SPEED IN KNOTS				
(N) 350-010	.5	1.1	.5	.1					
020-040	.2	1.9	.6	.2	.1	.1			
050-070	1.0	2.0	1.4	.1					
(E) 080-100	1.2	3.1	.5	.3					
110-130	1.2	2.0	1.3	.1					
140-160	2.4	3.2	1.2	.5	.5				
(S) 170-190	2.0	4.4	2.6	.9	.4				
200-220	3.5	7.6	4.6	3.1	1.0				
230-250	1.6	5.7	4.7	2.3	.6	.2			
(W) 260-280	.9	2.6	2.9	1.1	.3	.2			
290-310	.7	2.9	1.4	.3	.2				
320-340	1.1	4.2	2.5	.2					
VARIABLE		.1	.1	.1					
CALM	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////
TOTALS	15.1	49.5	24.1	9.5	3.4	.5			

TOTAL NUMBER OF OBSERVATIONS 930

CY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

[illegible] RAF UK PERIOD OF RECORD: JUL 73 - JUN 88
MONTH: DEC HOURS: 03-05

SPEED IN KNOTS 25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
						2.4	7.2	6.5
.1						3.2	9.5	8.0
						4.4	7.8	8.0
						5.2	6.9	6.0
						4.6	7.1	6.0
						6.8	7.5	6.0
						10.3	8.9	8.0
						19.8	9.6	8.5
.2						16.3	10.2	9.0
.2						8.3	11.1	10.0
						5.1	9.5	8.0
						7.7	8.3	8.0
						.3	11.7	10.0
//						5.6	//////////////	
.5						100.0	8.6	8.0

OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE
FROM HOURLY OBSERVATIONS

STATION NUMBER: 36553 STATION NAME: UPPER HEYFORD RAF UK
LST TO UTC: - 0

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-4
(N) 350-010	.5	.3	.4						
020-040	.5	1.7	.9	.1	.2	.1			
050-070	1.1	1.2	1.5	.3					
(E) 080-100	.9	1.5	.9						
110-130	1.2	1.5	1.3	.2					
140-160	3.1	2.2	1.4	1.3					
(S) 170-190	2.3	4.1	1.4	.7	.3	.2			
200-220	2.3	7.2	4.3	2.5	1.1	.2			
230-250	1.1	4.7	3.5	2.4	.5				
(W) 260-280	.4	3.3	2.4	1.1	.4	.1			
290-310	.7	1.9	1.2	.2	.4	.1			
320-340	1.3	3.4	3.0	.1					
VARIABLE		.3							
CALM	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////
TOTALS	17.5	31.0	26.2	8.9	3.2	.7			

TOTAL NUMBER OF OBSERVATIONS 930

FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

[illegible] HEYFORD RAF UK PERIOD OF RECORD: JUL 7[illegible] - JUN 8[illegible]
MONTH: DEC HOURS: 06-08

WIND SPEED IN KNOTS 20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
							1.9	6.8	6.5
.2	.1						3.5	9.4	8.0
							5.1	8.2	7.0
							4.3	7.8	7.0
							4.7	8.2	9.0
							7.6	7.3	6.0
.2	.2						10.7	8.4	6.0
1.1	.2						13.8	9.9	9.0
.2							14.1	10.5	10.0
.4	.1						8.6	10.5	10.0
.4	.1						4.7	9.6	8.5
							7.7	8.2	8.0
							.3	7.7	8.0
//////////							5.5	//////////	
3.2	.7						100.0	8.5	8.0

NUMBER OF OBSERVATIONS 930

OPERATING LOCATION WAW
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WI
FROM HOURLY TRUE WATIONS

STATION NUMBER: 3[illegible]3 STATION NAME: UPPER HEYFORD RAF UK
LST TO UTC: - 0

PERI
MONT

DIR (TIL) (DEGREES)	WIND SPEED IN KNOTS 1-4	5-7	10-14	15-19	20-24	25-29	30-34	35-39	40-4
(N) 350-010	.[illegible]	1.2	.4						
020-040	.[illegible]	1.[illegible]	.4		.1	.1	.1		
050-070	.3	1.1	1.[illegible]	.3					
(E) 080-100	.[illegible]	[illegible].3	1.[illegible]	.2					
110-130	1.[illegible]	1.[illegible]	[illegible].[illegible]	.1					
140-160	[illegible].[illegible]	1.7	1.[illegible]	.[illegible]	.2				
(S) 170-190	[illegible].[illegible]	2.5	2.[illegible]	1.[illegible]	.5	.1			
200-220	1.[illegible]	7.[illegible]	[illegible].[illegible]	3.1	1.3	.2			
230-250	.4	7.3	6.[illegible]	[illegible].3	.4	.1			
(W) 260-280	1.2	1.7	2.[illegible]	1.3	.4	.1			
290-310	1.1	1.7	1.[illegible]	.[illegible]	.4				
320-340	1.5	2.7	3.[illegible]	.3	.1				
VARIABLE		.4	.3						
CALM	//								
TOTALS	13.[illegible]	35.4	38.[illegible]	11.2	3.2	.6	.1		

TOTAL NUMBER OF OBSERVATIONS [illegible]

FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION RAF UK PERIOD OF RECORD: JUL 78 - JUN 88
MONTH: DEC HOURS: 09-11

WIND IN KNOTS								
20-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
						2.6	7.0	7.5
.1	.1					3.2	9.9	8.0
						3.1	9.7	11.0
						4.7	7.8	8.0
						5.1	9.1	10.0
						6.7	8.3	7.0
.1						10.3	8.8	9.0
.2						14.6	10.3	10.0
.1						13.0	10.3	10.0
.1						7.2	10.9	11.0
						5.8	10.6	10.0
						7.6	8.2	9.0
						.0	9.6	9.0
//////////	//////////	//////////	//////////	//////////	//////////	4.6	//////////	//////////
.6	.1					100.0	9.2	9.0

OBSERVATIONS 330

OPERATING LOCATION "A" PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WI
USAFETAC, ASHEVILLE NC FROM HOURLY OBSERVATIONS

STATION NUMBER: [illegible] STATION NAME: UPPER HEYFORD [illegible]
LST TO UTC: - 0

DIRECTION (DEGREES)	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-4
				WIND SPEED IN KNOTS					
(N) 350-010	.3	1.[illegible]	.[illegible]	.3					
020-040	.[illegible]	1.[illegible]	.[illegible]		.2	.1			
050-070	.[illegible]	1.[illegible]	1.[illegible]	.[illegible]					
(E) 080-100	1.[illegible]	1.[illegible]	1.[illegible]	.[illegible]					
110-130	.[illegible]	1.3	1.7	.[illegible]					
140-160	1.[illegible]	[illegible].3	[illegible]	.[illegible]	.2				
(S) 170-190	1.[illegible]	[illegible]	[illegible]	1.1	.1	.[illegible]			
200-220	1.[illegible]	[illegible].7	[illegible]	4.1	1.2	.1			
230-250	.[illegible]	[illegible]	7.[illegible]	3.[illegible]	.[illegible]				
(W) 260-280	.[illegible]	1.[illegible]	[illegible].4	[illegible]	.[illegible]				
290-310	.1	[illegible]	[illegible]	1.[illegible]	.1				
320-340	1.[illegible]	[illegible].7	[illegible]	1.[illegible]					
VARIABLE		.[illegible]	.3	.[illegible]					
CALM	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////
TOTALS	1[illegible].3	31.[illegible]	35.1	16.[illegible]	3.3	.4			

TOTAL NUMBER OF OBSERVATIONS 930

FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

[illegible] HEYFORD RAF UK PERIOD OF RECORD: JUL 7[illegible] - JUN [illegible]
MONTH: DEC HOURS: 12-14

WIND SPEED IN KNOTS 20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
							3.2	7.3	7.0
.[illegible]	.1						2.[illegible]	9.0	7.5
							4.0	9.3	10.0
							4.2	9.4	9.0
							4.2	9.2	10.0
.[illegible]							7.2	8.9	8.0
.1	.2						7.[illegible]	10.0	10.0
1.[illegible]	.1						2[illegible].2	11.1	11.0
.[illegible]							1[illegible].[illegible]	11.0	10.0
.0							[illegible].5	13.1	13.0
.1							6.[illegible]	10.[illegible]	10.0
							[illegible].2	9.5	10.0
							1.3	12.1	11.0
//							2.[illegible]	//////////////	
3.3	.4						100.0	10.2	10.0

[illegible] OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND
FROM HOURLY OBSERVATIONS

STATION NUMBER: 3665B STATION NAME: UPPER BELVEDERE AFS JK [illegible]
LST TO UTC: - 0 [illegible]

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	[illegible]
(N) 350-010	1.5	1.1	.4		.1	.2				
020-040	.3	.5	1.2	.1		.1				
050-070	1.3	1.9	1.3	.3						
(E) 080-100	1.2	1.5	1.1	.5						
110-130	2.2	.5	1.3	.1						
140-160	1.7	2.2	2.4	1.0	.1					
(S) 170-190	2.2	3.2	2.9	1.1	.1	.2				
200-220	3.3	4.9	5.1	2.9	1.0					
230-250	1.4	4.7	5.9	2.2	1.1	.2				
(W) 260-280	.9	2.5	3.1	1.3	.5					
290-310	1.3	2.7	2.2	.3	.1					
320-340	1.3	4.0	3.[illegible]							
VARIABLE		.2	.3		.1					
CALM	//									
TOTALS	17.7	25.6	30.2	9.5	3.1	.7				

TOTAL NUMBER OF OBSERVATIONS 930

FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

HAYFORD RAF UK PERIOD OF RECORD: JUL 78 - JUN 88
MONTH: DEC HOURS: 15-17

WIND SPEED IN KNOTS 1-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
.1	.2						3.3	7.6	6.0
	.1						2.7	9.1	10.0
							4.7	7.6	7.0
							4.1	8.3	8.0
							4.7	6.8	5.5
.1							7.3	8.9	9.0
.1	.2						9.7	8.9	9.0
1.0							20.3	9.3	8.0
1.1	.2						16.5	10.8	10.0
.3							8.4	10.3	10.5
.1							6.2	8.9	8.0
							8.6	7.7	8.0
.1							.6	12.2	11.5
//							2.5	//////////////	
.1	.7						100.0	9.0	9.0

NO OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND
FROM HOURLY OBSERVATIONS

STATION NUMBER: 36553 STATION NAME: UPPER HEYFORD RAF UK PERIOD
LST TO UTC: - 0 MONTH:

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49
(N) 350-010	1.5	.9	.5	.2	.2	.2			
020-040	.4	1.6	.3	.2					
050-070	.3	2.2	.6	.2					
(E) 080-100	1.[illegible]	2.7	1.2	.5	.2				
110-130	2.3	.9	1.3	.2					
140-160	2.[illegible]	1.7	1.[illegible]	.5	.3				
(S) 170-190	3.[illegible]	4.5	2.3	1.[illegible]	.2	.1			
200-220	2.9	[illegible].3	6.7	3.2	1.0				
230-250	1.[illegible]	6.2	5.7	1.8	.3	.1			
(W) 260-280	.[illegible]	3.0	1.[illegible]	1.6	.3	.2	.1	.1	
290-310	1.3	2.7	1.0	.3	.1				
320-340	1.7	3.3	1.[illegible]	.4					
VARIABLE			.1						
CALM	//////	//////	//////	//////	//////	//////	//////	//////	//////
TOTALS	17.[illegible]	38.3	26.3	10.3	2.6	.5	.1	.1	

TOTAL NUMBER OF OBSERVATIONS 930

FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

LAKENHEATH RAF UK PERIOD OF RECORD: JUL 78 - JUN 88
MONTH: DEC HOURS: 18-20

WIND SPEED IN KNOTS 20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
.2	.2						3.3	8.7	6.0
							2.6	7.6	8.0
							3.3	8.2	7.0
.2							5.5	8.4	7.0
							4.6	6.4	5.0
.3							6.3	8.5	7.0
.2	.1						12.9	8.8	8.0
1.0							20.9	10.1	10.0
.5	.1						15.1	9.8	9.0
.3	.2	.1	.1				7.1	11.2	9.5
.1							6.3	8.1	7.0
							7.3	7.8	7.5
							.1	14.0	14.0
//////////							3.0	//////////	
2.0	.6	.1	.1				100.0	8.8	8.0

OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE W
FROM HOURLY OBSERVATIONS

STATION NUMBER: 36553 STATION NAME: UPPER HEYFORD RAF UK PERI
LST TO UTC: - 0 MONT

DIRECTION (DEGREES)	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-4
					WIND SPEED IN KNOTS				
(N) 350-010	.9	1.1	.5	.2	.1				
020-040	.1	.5	.5	.1					
050-070	.[illegible]	2.5	1.9	.1					
(E) 080-100	1.4	1.6	.9	.2	.2	.1			
110-130	1.5	2.6	1.3						
140-160	2.[illegible]	2.0	1.0	.5	.1				
(S) 170-190	2.[illegible]	4.3	2.9	1.0	.2				
200-220	2.	7.0	4.[illegible]	3.5	1.0	.1			
230-250	[illegible].8	5.0	6.5	3.1	.2	.1			
(W) 260-280	1.1	2.[illegible]	1.4	1.4	.3	.1			
290-310	1.4	2.4	1.[illegible]	.1	.2	.[illegible]			
320-340	1.6	3.3	1.9	.2	.1				
VARIABLE			.1		.1				
CALM	//////	//////	//////	//////	//////	//////	//////	//////	//////
TOTALS	1[illegible].9	35.5	25.7	10.4	3.0	.6			

TOTAL NUMBER OF OBSERVATIONS 930

CY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

WARD RAF UK PERIOD OF RECORD: JUL 78 - JUN 88
MONTH: DEC HOURS: 21-23

SPEED IN KNOTS 25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
						2.8	8.2	6.5
						1.5	8.9	9.0
						5.4	8.3	8.0
.1						4.3	8.3	6.5
						5.3	7.0	7.0
						6.6	7.0	5.0
						10.4	8.8	8.0
.1						19.2	10.3	9.0
.1						15.8	10.1	10.0
.1						7.5	11.1	9.0
.0						6.1	9.0	8.0
						7.2	7.9	8.0
						.2	17.5	17.5
//////////						4.6	//////////	
.6						100.0	8.8	8.0

OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIN
FROM HOURLY OBSERVATIONS

STATION NUMBER: 36553 STATION NAME: UPPER HEYFORD GAF UK PERIO
LST TO UTC: - 0 MONTH

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49
(N) 350-010	.9	1.1	.5	.1	.1	.1			
020-040	.4	1.5	.5	.1	.1	.1	.0		
050-070	.	1.3	1.4	.3	.0				
(E) 080-100	1.2	2.1	1.0	.3	.1	.0			
110-130	1.[illegible]	1.6	1.5	.2					
140-160	2.4	2.1	1.5	.8	.2				
(S) 170-190	2.4	3.7	2.6	1.2	.3	.1			
200-220	2.4	7.7	5.3	3.4	1.0	.1			
230-250	1.6	5.5	5.1	2.4	.5	.1			
(W) 260-280	.3	2.6	2.4	1.4	.0	.1	.0	.0	
290-310	.2	2.3	1.3	.5	.3	.0			
320-340	1.4	3.4	2.5	.3	.0				
VARIABLE		.2	.2	.1	.0				
CALM	//								
TOTALS	15.4	36.3	27.0	11.1	3.3	.5			

TOTAL NUMBER OF OBSERVATIONS 7443

FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

FEL HEYFORD RAF UK PERIOD OF RECORD: JUL 78 - JUN 85
MONTH: DEC HOURS: ALL

WIND SPEED IN KNOTS 20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
.1	.1						2.8	7.7	7.0
.1	.1	.0					2.4	8.9	8.0
.0							4.3	8.4	8.0
.1	.0						4.7	7.7	7.0
							4.2	7.3	7.0
.2							7.0	8.1	7.0
.3	.1						10.2	9.0	8.0
1.0	.1						19.3	10.2	9.0
.5	.1						17.3	10.3	10.0
.5	.1	.0	.0				7.9	11.2	10.0
.3	.0						5.9	9.6	9.0
.0							7.5	8.2	8.0
.0							.5	11.5	10.0
//////////							4.3	//////////	
4.3	.6						100.0	9.0	9.0

NUMBER OF OBSERVATIONS 7440

OPERATING LOCATION "A" PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE -
USAFETAC, ASHEVILLE, NC FROM HOURLY OBSERVATIONS

STATION NUMBER: 36553 STATION NAME: UPPER HAYFORD RAF UK
LST TO UTC: - 0

CATEGORY A: CEILING OF 200 FEET BUT LESS THAN 1500 FEET WITH VISIBILITY OF 1/2
AND/OR
VISIBILITY OF 1/2 MILE (0800 METERS) BUT LESS THAN 3 MILES (4

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-
(N) 350-010	1.1	1.1	.4			.1			
020-040	.4	1.2	.4	.3	.2		.1		
050-070	1.1	2.1	2.4	.3	.1				
(E) 080-100	2.2	3.4	1.4	.1	.1	.1			
110-130	2.4	3.3	3.7	.5					
140-160	2.[illegible]	3.5	2.3	1.1	.4				
(S) 170-190	2.0	5.1	4.1	1.7	.4	.3			
200-220	1.1	3.0	5.4	5.7	.5				
230-250	1.1	3.5	7.4	2.5	.2				
(W) 260-280	.4	.7	.2	.1					
290-310	.4	1.4	.4	.3	.3				
320-340	1.[illegible]	3.0	.5	.1					
VARIABLE									
CALM	//								
TOTALS	17.4	35.2	23.4	12.7	2.2	.5	.1		

TOTAL NUMBER OF OBSERVATIONS 1239

```
TAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
               FROM HOURLY OBSERVATIONS

 : UPPER HEYFORD RAF UK                PERIOD OF RECORD:  JUL 73 - JUN 88
 - 0                                   MONTH: DEC      HOURS: ALL
..........................................................................

THAN 1500  FEET WITH VISIBILITY GE 1/2 MILE (0800 METERS).
/3
00 METERS) BUT LESS THAN 3 MILES (4800 METERS) WITH CEILING GE 200 FEET.
..........................................................................
      WIND SPEED IN KNOTS
-19   20-24  25-29  30-34  35-39  40-49  50-64  GE 65   TOTAL  MEAN  MEDIAN
..........................................................................
                                                          %    WIND   WIND
..........................................................................
                .1                                       2.7    6.4    5.0

  .3     .2            .1                                2.4    9.2    9.0

  .3     .1                                              5.0    8.7    8.5

  .1     .1     .1                                       7.1    7.0    7.0

  .5                                                     9.6    8.0    8.0

 1.1     .4                                             10.2    8.5    8.0

 1.7     .4     .3                                      13.5    9.7    9.0

 3.7     .5                                             20.6   11.1   11.0

 3.4     .2                                             13.1   11.0   11.0

  .1                                                     1.2    6.6    6.0

  .3     .3                                              2.6    9.2    7.0

  .1                                                     5.9    6.4    6.0

..........................................................................

/////////////////////////////////////////////////////    4.5  /////////////

11.7    2.2     .5     .1                              100.0    9.9    9.0
NUMBER OF OBSERVATIONS  1939
..........................................................................
```

OPERATING LOCATION "AM" PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WI
USAFETAC, ASHEVILLE, NC FROM HOURLY OBSERVATIONS

STATION NUMBER: 36563 STATION NAME: UPPER HOLYOKE RAP, MA PERI
LST TO UTC: + 5 MONT

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49
(N) 350-010	2.[illegible]	2.3	.9	.2	.0	.2			
020-046	1.7	2.9	1.2	.3	.1	.0	.		
050-076	1.4	2.[illegible]	1.5	.4	.0	.0			
(E) 080-106	1.4	1.9	1.0	.5	.0	.0			
110-136	1.0	1.3	.7	.1	.				
140-166	[illegible]	1.9	.[illegible]	.2	.0	.0			
(S) 170-196	2.1	3.5	1.[illegible]	.6	.2	.0	.		
200-226	2.[illegible]	5.9	4.9	1.7	.4	.1	.[illegible]	.[illegible]	
230-256	1.[illegible]	5.4	5.4	1.[illegible]	.4	.1	.[illegible]	.[illegible]	.[illegible]
(W) 260-286	1.4	4.2	3.3	1.0	.3	.1	.[illegible]	.[illegible]	
290-316	1.[illegible]	3.5	3.3	.7	.2	.0	.[illegible]	.	
320-346	3.[illegible]	4.3	1.7	.4	.1	.[illegible]	.0		
VARIABLE	.0	.[illegible]	.7	.2	.0	.0	.0		
CALM	//								
TOTALS	22.7	35.0	23.4	7.6	1.7	.3			

TOTAL NUMBER OF OBSERVATIONS: 37579

FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

[illegible] AFB [illegible] PERIOD OF RECORD: JUL 74 - JUN 84
MONTH: ALL HOURS: ALL

WIND SPEED IN KNOTS 20-24	25-29	30-34	35-39	40-49	50-54	GE 55	TOTAL %	MEAN WIND	MEDIAN WIND
.0	.0						5.4	6.6	6.0
.1	.0	.0					6.0	7.3	7.0
.0	.0						6.2	8.0	8.0
.0	.0						4.7	7.5	7.0
.							3.5	6.4	6.0
.0	.0						5.0	6.0	6.0
.0	.0	.					7.7	8.0	7.0
.4	.1	.0	.0				14.4	9.2	8.0
.4	.1	.0	.0	.0			13.7	9.6	9.0
.3	.1	.0	.0				8.2	9.5	9.0
.2	.0	.0	.0				7.4	9.6	9.0
.1	.0	.0					9.0	7.0	6.0
.0	.0	.0					1.7	10.7	10.0
//							5.6	//////////	
1.7	.3						100.0	7.8	8.0

NO. OF OBSERVATIONS: 87670

OPERATING LOCATION MAP PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WI
USAFETAC, ASHEVILLE, N.C. FROM HOURLY OBSERVATIONS

STATION NUMBER: [illegible] STATION NAME: [illegible] [illegible]
EST TO UTC: - 0 [illegible]

CEILING: [illegible] OR BUT LESS THAN 1500 FEET WITH VISIBILITY OF 1/2 [illegible]
AND/OR
VISIBILITY OF 1/2 MILE (0800 METERS) BUT LESS THAN 3 MILES (4[illegible]

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-4	5-9	10-14	15-17	22-24	25-27	30-34	35-39	40-43
(0) [illegible]-10[illegible]	[illegible].1	[illegible]	1.1	.2	.1	.0			
[illegible]-[illegible]	[illegible]	4.1	1.[illegible]	[illegible]	.[illegible]	.[illegible]	.[illegible]		
[illegible]-[illegible]	1.[illegible]	4.1	[illegible]	.7	.1	.0			
(5) [illegible]-1[illegible]	1.7	[illegible]	1.7	.5	.1	.0			
110-1[illegible]	[illegible].0	2.1	1.2	.2	.0				
140-1[illegible]	[illegible]	[illegible]	1.[illegible]	.6	.1	.0			
(0) 170-1[illegible]	[illegible]	4.[illegible]	[illegible]	.[illegible]	.2	.1			
[illegible]-2[illegible]	[illegible]	[illegible].4	[illegible]	2.[illegible]	.6	.1	.		
230-2[illegible]	1.8	3.3	3.[illegible]	1.4	.3	.0	.0		
(0) 2[illegible]-2[illegible]	.7	.0	.2	.0	.0	.0	.0		
[illegible]-31[illegible]	.0	1.3	.[illegible]	.1	.1				
310-34[illegible]	[illegible].4	3.4	.[illegible]	.2	.1	.0			
VARIABLE									
CALM	//								
TOTALS	21.[illegible]	37.[illegible]	23.6	8.3	1.9	.2			

TOTAL NUMBER OF OBSERVATIONS: 17331

FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

UPPER HEYFORD RAF UK — PERIOD OF RECORD: JUL 75 - JUN 84
MONTH: ALL — HOURS: ALL

1500 FEET WITH VISIBILITY OF 1/2 MILE (0800 METERS).

METERS) BUT LESS THAN 3 MILES (4800 METERS) WITH CEILING OF 200 FEET.

	WIND SPEED IN KNOTS									
	20-24	25-27	30-34	35-39	40-49	50-54	55-56	TOTAL %	MEAN WIND	MEDIAN WIND
.	.1	.0						6.4	5.3	5.0
.	.0	.0	.0					4.0	5.1	7.0
.0	.1	.0						3.2	3.5	3.0
.	.1	.0						5.[illegible]	[illegible]	7.0
.	.0							5.[illegible]	6.7	[illegible]
.	.1	.0						7.5	7.2	7.0
.	.2	.1						11.[illegible]	[illegible]	5.0
.	.5	.1	.					17.1	10.[illegible]	10.0
.0	.3	.0	.0					9.5	10.1	10.0
.	.0	.0	.0					1.3	5.2	5.0
.0	.1							2.9	7.1	6.0
.	.1	.0						5.9	5.3	6.0
//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	5.5	//////////	//////////
.0	1.0	.2						100.0	7.3	8.0

NUMBER OF OBSERVATIONS: 17031

PART D

CEILING VERSUS VISIBILITY AND SKY COVER SUMMARIES

CEILING VS VISIBILITY--PERCENT OCCURRENCE FREQUENCY (POF).
CREATED FROM HOURLY OBSERVATIONS, THIS SUMMARY IS A BIVARIATE DISTRIBUTION OF PERCENTAGE FREQUENCY BY CLASSES OF CEILING (FROM ZERO FEET TO 20,000 FEET--"NO CEILING" IS A SEPARATE CLASS) VERSUS VISIBILITY CLASSES (FROM ZERO MILES (METERS) TO GREATER THAN OR EQUAL TO 7 STATUTE MILES (11,200 METERS)). THE TABLES SUMMARIZE THE DATA AS FOLLOWS:

- BY EIGHT 3-HOUR STANDARD TIME PERIODS FOR EACH MONTH (ALL YEARS COMBINED).

- BY MONTH (ALL YEARS AND ALL HOURS COMBINED).

- BY YEAR (ALL YEARS AND ALL HOURS COMBINED).

BECAUSE OF THE CUMULATIVE NATURE OF THESE SUMMARIES, IT IS POSSIBLE TO DETERMINE THE PERCENTAGE OCCURRENCE FREQUENCY (POF) FOR ANY GIVEN CEILING AND/OR VISIBILITY LIMIT(S), EITHER SEPARATELY OR IN ANY COMBINATION. TOTALS PROGRESS FROM RIGHT TO LEFT AND FROM BOTTOM TO TOP. TO DETERMINE CEILING ALONE, REFER TO THE EXTREME RIGHT-HAND COLUMN (ZERO VISIBILITY). TO DETERMINE VISIBILITY ALONE, REFER TO THE BOTTOM ROW (ZERO CEILINGS). DETERMINE THE POF THAT MEETS OR EXCEEDS ANY GIVEN SET OF MAXIMA BY READING THE VALUE AT THE INTERSECTION OF THE APPROPRIATE CEILING ROW AND VISIBILITY COLUMN.

NOTE 1: IN JANUARY 1968, METAR STATIONS BEGAN REPORTING VISIBILITIES TO 6 STATUTE MILES OR 9000 METERS. VALUES EXCEEDING 9000 METERS ARE REPORTED AS "9999."

NOTE 2: FOR OVERSEAS CIVILIAN STATIONS REPORTING "CAVOK", ALL CEILINGS GREATER THAN 5000 FEET APPEAR IN THE 5000 FEET CLASS.

CONVERSIONS: 1 STATUTE MILE = 1,609.344 METERS = .868391 NAUTICAL MILES. FOR CONVENIENCE, THE CONVERSION OFTEN USED IS 1 STATUTE MILE = 1,600 METERS.

SKY COVER--PERCENT OCCURRENCE FREQUENCY.
ALSO CREATED FROM HOURLY OBSERVATIONS, THIS SUMMARY GIVES PERCENTAGE OCCURRENCE FREQUENCY (POF) OF SKY COVER IN EIGHTHS FOR SYNOPTIC STATIONS, BUT AS CLEAR, SCATTERED, BROKEN, OVERCAST, PARTIALLY OBSCURED, OR TOTALLY OBSCURRED FOR AIRWAYS STATIONS. FOR AIRWAYS STATIONS, THIS SUMMARY ALSO GIVES POF FOR SKY COVER GREATER THAN ONE-HALF (I.E., 6/10). DATA IS SUMMARIZED THE SAME AS FOR PREVIOUS TABLE.

NOTE 1. THESE SUMMARIES ARE NOT AVAILABLE FOR METAR REPORTING STATIONS.

NOTE 2. AIRWAYS STATIONS THAT HAVE REPORTED IN SYNOPTIC CODE HAVE HAD THEIR SYNOPTIC SKY COVER REPORTS CONVERTED AS FOLLOWS:

0/8.....CLEAR

1/8 THRU 4/8.....SCATTERED

5/8 THRU 7/8.....BROKEN

8/8.....OVERCAST

NOTE 3. "PARTIAL OBSCURATION" IS A SEPARATE CATEGORY NOT INCLUDED IN COMPUTATION OF "GREATER THAN 1/2" PERCENTAGES. "TOTAL OBSCURATIONS," HOWEVER, ARE INCLUDED.

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF C
FROM HOURLY OBSERVATIONS

STATION NUMBER: 36553 STATION NAME: UPPER HEYFORD RAF UK PERIO
LST TO UTC: - 0 MONT

CEILING IN FEET	VISIBILITY IN METERS GE 112	GE 80	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16
NO CEIL	25.0	25.5	28.3	29.5	30.6	31.0	31.9	32.3	32.4	32.4
GE 20000	28.5	29.1	32.0	32.6	34.6	35.0	35.2	36.6	36.7	36.7
GE 18000	28.6	29.2	32.1	32.7	34.7	35.1	36.3	36.7	36.3	36.-
GE 15000	28.6	29.2	32.1	32.7	34.7	35.1	36.3	36.7	36.8	36.
GE 14000	28.6	29.2	32.1	32.7	34.7	35.1	36.3	36.7	36.8	36.-
GE 12000	29.2	29.6	32.4	33.2	35.1	35.5	36.7	37.1	37.2	37.-
GE 10000	29.4	30.1	33.0	33.6	35.7	36.2	37.4	37.6	37.9	37.-
GE 9000	29.	30.5	33.6	34.3	36.3	36.7	37.9	38.3	38.4	38.4
GE 8000	32.3	32.7	35.9	36.7	38.6	39.1	40.9	41.4	41.6	41.-
GE 7000	32.3	33.0	36.2	37.0	39.0	39.4	41.2	41.8	41.9	41.
GE 6000	33.2	33.9	37.0	37.9	40.3	40.7	42.6	43.2	43.3	43.
GE 5000	36.2	36.9	40.4	41.3	44.1	45.0	46.2	47.5	47.8	47.-
GE 4500	39.2	40.5	44.3	45.3	48.3	49.3	51.2	52.2	52.5	52.-
GE 4000	42.4	43.4	47.6	48.7	51.7	52.7	55.1	56.3	56.5	56.-
GE 3500	44.6	45.8	49.[illegible]	51.0	54.7	56.8	58.2	59.4	59.7	59.
GE 3000	47.5	48.4	53.1	54.5	58.1	59.4	61.9	63.3	63.6	63.-
GE 2500	49.9	51.1	54.8	56.5	60.3	61.7	64.3	65.0	66.4	66.-
GE 2000	51.6	52.9	57.6	59.3	63.2	64.6	67.3	69.0	69.5	69.
GE 1800	52.6	53.4	58.8	60.7	64.6	66.0	68.7	70.4	70.9	70.
GE 1500	54.5	55.5	61.2	63.4	67.5	68.9	71.6	73.6	74.3	74.
GE 1200	55.5	56.8	62.5	65.0	69.9	71.3	74.0	76.0	76.7	76.
GE 1000	57.2	58.2	64.6	67.0	72.1	73.6	76.3	78.4	79.4	79.
GE 900	57.4	58.6	64.9	67.3	72.4	73.8	76.7	78.8	79.9	79.
GE 800	58.1	59.3	65.7	68.0	73.4	75.0	77.9	80.1	81.2	81.
GE 700	58.9	60.1	67.0	69.3	74.7	76.4	79.4	82.3	83.4	83.
GE 600	59.0	60.2	67.1	69.4	74.9	76.7	79.8	82.7	84.0	84.
GE 500	59.1	60.3	67.8	70.2	76.0	78.3	81.7	85.0	86.7	86.
GE 400	59.2	60.4	67.9	70.3	76.4	78.7	82.2	85.8	87.4	88.
GE 300	59.4	60.6	68.0	70.4	76.6	79.0	82.7	86.9	89.1	89.
GE 200	59.3	60.5	68.0	70.4	76.6	79.1	82.9	87.3	90.1	90.
GE 100	59.3	60.5	68.0	70.4	76.6	79.1	82.9	87.3	90.1	90.
GE 000	59.3	60.5	68.0	70.4	76.6	79.1	82.9	87.3	90.1	90.

TOTAL NUMBER OF OBSERVATIONS 929

NTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

R HEYFORD RAF UK PERIOD OF RECORD: JUL 73 - JUN 88
MONTH: JAN HOURS: 00-02

VISIBILITY IN METERS										
GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
31.0	31.9	32.3	32.4	32.4	32.8	33.2	33.5	33.8	33.9	34.2
35.0	35.2	36.6	36.7	36.7	37.1	37.5	37.8	38.1	38.2	38.5
35.1	35.3	35.7	35.8	36.8	37.2	37.6	37.9	38.2	38.3	38.6
35.1	35.3	36.7	36.8	36.8	37.2	37.6	37.9	38.2	38.3	38.6
35.1	35.3	36.7	35.8	35.8	37.2	37.6	37.9	38.2	38.3	38.6
35.5	35.7	37.1	37.2	37.2	37.7	38.0	38.3	38.6	38.8	39.1
35.2	37.4	37.8	37.9	37.9	38.3	38.6	39.0	39.3	39.4	39.7
35.7	37.9	38.3	38.4	38.4	38.9	39.2	39.5	39.8	39.9	40.3
39.1	40.9	41.4	41.6	41.6	42.0	42.3	42.6	42.9	43.1	43.4
39.4	41.2	41.8	41.9	41.9	42.3	42.6	42.9	43.3	43.4	43.7
40.7	42.5	43.2	43.3	43.3	43.7	44.0	44.3	44.7	44.8	45.1
45.0	45.8	47.5	47.8	47.8	48.2	48.5	48.9	49.2	49.3	49.6
48.3	51.2	52.2	52.5	52.5	53.0	53.3	53.6	53.9	54.0	54.4
52.7	55.1	56.3	56.5	56.5	57.2	57.5	57.5	58.1	58.2	58.5
55.8	58.2	59.4	59.7	59.7	60.3	60.6	60.9	61.2	61.4	61.7
59.4	61.9	63.3	63.6	63.6	64.2	64.5	64.8	65.1	65.2	65.6
61.7	64.3	66.0	66.4	66.4	67.0	67.3	67.6	67.9	68.0	68.4
64.5	67.3	69.0	69.5	69.5	70.1	70.4	70.7	71.0	71.2	71.5
66.0	68.7	70.4	70.9	70.9	71.5	71.8	72.1	72.4	72.6	72.9
68.9	71.6	73.6	74.3	74.3	74.9	75.2	75.6	75.9	76.0	76.3
71.3	74.0	76.0	76.7	76.7	77.4	77.7	78.0	78.4	78.5	78.8
73.5	76.3	78.4	79.4	79.4	80.1	80.4	80.7	81.4	81.5	81.8
73.8	76.7	78.8	79.9	79.9	80.5	80.8	81.2	81.6	81.9	82.2
75.0	77.9	80.1	81.2	81.2	82.0	82.3	82.8	83.4	83.5	83.9
76.4	79.4	82.3	83.4	83.5	84.4	84.7	85.1	85.8	85.9	86.2
76.7	79.8	82.7	84.0	84.1	84.9	85.3	85.7	86.3	86.4	86.8
78.3	81.7	85.0	86.7	86.9	87.7	88.1	88.5	89.1	89.2	89.6
78.7	82.2	85.8	87.8	88.1	88.9	89.3	89.8	90.5	91.0	91.6
79.0	82.7	86.9	89.1	89.6	90.4	90.9	91.3	92.2	92.9	93.9
79.1	82.9	87.3	90.1	90.6	91.7	92.1	92.7	94.0	95.6	97.8
79.1	82.9	87.3	90.1	90.6	91.8	92.2	92.8	94.1	96.6	99.6
79.1	82.9	87.3	90.1	90.6	91.8	92.2	92.8	94.2	97.0	100.0

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CE
FROM HOURLY OBSERVATIONS

STATION NUMBER: 36553 STATION NAME: UPPER HEYFORD RAF UK PERIOD
LST TO UTC: - 0 MONTH:

CEILING IN FEET	VISIBILITY IN METERS GE 112	GE 90	GE 50	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16
NO CEIL	26.1	26.3	28.7	29.5	30.3	30.8	31.3	31.6	31.9	32.0
GE 20000	29.5	29.5	32.2	33.0	34.4	34.8	35.6	36.0	36.3	36.5
GE 18000	29.5	29.8	32.2	33.0	34.4	34.8	35.6	36.0	36.3	36.5
GE 16000	29.5	29.8	32.2	33.0	34.4	34.8	35.6	36.0	36.3	36.5
GE 14000	29.5	29.8	32.2	33.0	34.4	34.8	35.6	36.0	36.3	36.5
GE 12000	30.0	30.2	32.6	33.4	34.8	35.3	36.0	36.5	36.8	36.9
GE 10000	30.5	30.9	33.4	34.3	35.7	36.1	36.9	37.3	37.6	37.7
GE 9000	31.0	31.2	34.0	34.8	36.2	36.7	37.4	37.8	38.2	38.3
GE 8000	32.0	33.2	36.1	37.1	38.5	38.9	40.1	40.9	41.1	41.3
GE 7000	33.3	33.5	36.6	37.4	38.8	39.2	40.4	41.1	41.4	41.6
GE 6000	33.4	33.7	36.6	37.6	39.4	39.8	41.0	41.6	41.9	42.2
GE 5000	35.6	36.7	39.0	40.2	42.6	43.0	44.2	44.8	45.3	45.5
GE 4500	37.5	38.0	41.3	42.5	45.4	45.8	47.1	47.8	48.3	48.5
GE 4000	41.5	41.9	45.3	47.0	49.9	50.3	51.7	52.5	53.3	53.5
GE 3500	43.0	43.4	47.3	48.5	51.8	52.3	53.7	54.7	55.3	55.5
GE 3000	45.8	46.2	50.6	51.7	55.1	55.6	57.0	58.2	58.7	58.9
GE 2500	48.3	49.7	53.2	54.5	58.0	58.7	60.3	61.5	62.5	62.7
GE 2000	50.3	50.9	55.5	57.5	61.2	62.2	63.3	65.3	66.1	66.3
GE 1800	51.1	51.6	56.7	58.5	62.2	63.1	64.7	66.2	67.1	67.3
GE 1500	53.1	53.9	59.5	61.5	65.4	66.3	68.1	69.7	70.5	71.0
GE 1200	54.4	55.2	61.3	63.4	67.4	68.4	70.2	72.0	72.9	73.3
GE 1000	55.2	57.1	63.1	65.4	69.7	70.6	72.5	74.4	75.6	76.0
GE 900	56.5	57.2	64.1	66.3	70.8	71.7	73.5	75.4	76.7	77.1
GE 800	57.2	58.0	65.1	67.5	72.0	73.2	75.2	77.0	78.3	78.7
GE 700	58.4	59.2	66.3	69.4	74.1	75.5	77.6	79.7	81.2	81.6
GE 600	58.7	59.6	67.1	69.7	74.4	75.8	78.3	80.3	81.8	82.5
GE 500	59.5	60.3	68.5	71.5	76.8	78.6	81.1	84.0	85.7	86.[illegible]
GE 400	59.8	60.6	69.0	72.0	77.6	79.8	82.3	85.5	87.4	88.4
GE 300	59.9	60.8	69.1	72.2	77.8	80.0	82.5	85.9	88.3	89.4
GE 200	59.9	60.8	69.1	72.2	77.8	80.0	82.5	85.9	89.5	89.6
GE 100	59.9	60.8	69.1	72.4	78.2	80.3	82.8	86.2	88.8	89.9
GE 000	59.9	60.9	69.1	72.4	78.2	80.3	82.8	86.2	88.8	89.9

TOTAL NUMBER OF OBSERVATIONS 930

CENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

UPPER HEYFORD RAF UK — PERIOD OF RECORD: JUL 73 - JUN 88
MONTH: JAN HOURS: 03-05

VISIBILITY IN METERS	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
.8	30.8	31.3	31.6	31.9	32.0	32.0	32.7	32.8	32.8	32.9	33.1
.4	34.5	35.6	36.0	36.3	36.5	36.5	37.1	37.3	37.3	37.4	37.6
.4	34.5	35.6	36.0	36.3	36.5	36.5	37.1	37.3	37.3	37.4	37.6
.4	34.5	35.6	36.0	36.3	36.5	36.5	37.1	37.3	37.3	37.4	37.6
.4	34.8	35.6	36.0	36.3	36.5	36.5	37.1	37.3	37.3	37.4	37.6
.7	35.3	36.0	36.5	36.8	36.9	36.9	37.5	37.7	37.7	37.8	38.1
.7	36.1	36.9	37.3	37.6	37.7	37.7	38.4	38.6	38.6	38.7	38.9
.2	36.7	37.4	37.8	38.2	38.3	38.3	38.9	39.1	39.1	39.2	39.5
.	38.9	40.1	40.8	41.1	41.3	41.3	41.9	42.2	42.2	42.3	42.5
.1	39.2	40.4	41.1	41.4	41.6	41.6	42.3	42.5	42.5	42.6	42.8
.4	39.8	41.0	41.6	41.9	42.2	42.2	42.8	43.0	43.0	43.1	43.3
.6	43.0	44.2	44.8	45.3	45.5	45.6	46.2	46.5	46.5	46.6	46.8
.4	45.3	47.1	47.3	48.3	48.5	48.6	49.2	49.5	49.5	49.6	49.8
.8	50.3	51.7	52.6	53.3	53.5	54.1	54.7	54.9	54.9	55.1	55.3
.	52.3	53.7	54.7	55.3	55.5	56.0	56.7	56.9	56.9	57.0	57.2
.1	55.6	57.0	58.2	58.7	59.9	59.5	60.1	60.3	60.3	60.5	60.8
.9	58.7	60.3	61.6	62.5	62.7	63.2	63.9	64.1	64.1	64.3	64.5
.2	62.2	63.3	65.3	66.1	66.3	66.9	67.5	67.7	67.7	68.0	68.2
.9	63.1	64.7	66.2	67.1	67.3	67.8	68.5	68.7	68.7	68.9	69.1
.4	66.3	68.1	69.7	70.5	71.0	71.5	72.2	72.4	72.4	72.6	72.8
.4	68.4	70.2	72.0	72.9	73.3	73.9	74.5	74.7	74.7	74.9	75.2
.7	70.4	72.5	74.4	75.6	76.0	76.6	77.2	77.4	77.7	78.0	78.2
.5	71.7	73.5	75.4	76.7	77.1	77.6	78.3	78.5	78.8	79.0	79.2
.0	73.2	75.2	77.0	78.3	78.7	79.2	79.9	80.1	80.4	80.6	80.9
.1	75.5	77.6	79.7	81.2	81.6	82.2	82.8	83.0	83.5	83.8	84.0
.4	75.8	78.3	80.3	81.8	82.5	83.0	83.7	83.9	84.4	84.6	84.8
.2	78.6	81.1	84.0	85.7	86.6	87.4	88.2	88.6	89.1	89.4	89.6
.0	79.6	82.3	85.5	87.4	88.4	89.5	90.2	90.6	91.3	91.6	92.2
.1	80.0	82.5	85.9	88.3	89.4	90.5	91.5	91.9	92.6	92.9	93.4
.1	80.0	82.5	85.9	88.5	89.6	90.9	91.8	92.6	93.4	94.4	96.3
.2	80.3	82.8	86.2	88.8	89.9	91.2	92.2	93.0	94.0	95.9	99.4
.2	80.3	82.8	86.2	88.8	89.9	91.2	92.2	93.0	94.1	96.5	100.0

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF
FROM HOURLY OBSERVATI

STATION NUMBER: 36553 STATION NAME: UPPER HEYFORD RAF UK
LST TO UTC: - 0

CEILING IN FEET	VISIBILITY IN METERS GE 112	GE 80	GE 49	GE 50	GE 48	GE 40	GE 32	GE 24	GE 20	[illegible]
NO CEIL	25.2	25.5	28.2	29.9	30.2	30.9	31.6	32.5	32.9	32
GE 20000	27.5	27.5	31.0	32.0	33.7	34.3	35.1	35.9	36.2	36
GE 18000	27.5	27.5	31.0	32.0	33.7	34.3	35.1	35.9	36.2	36
GE 16000	27.5	27.5	31.0	32.0	33.7	34.3	35.1	35.9	36.2	36
GE 14000	27.5	27.5	31.0	32.0	33.7	34.3	35.1	35.9	36.2	36
GE 12000	28.5	29.5	31.9	33.0	34.6	35.3	36.0	36.9	37.2	37
GE 10000	29.5	30.0	33.2	34.3	35.9	36.6	37.3	38.2	38.5	3
GE 9000	30.4	30.9	34.2	35.3	36.9	37.6	38.3	39.1	39.5	3
GE 8000	32.7	33.2	36.9	37.1	39.9	40.6	41.3	42.2	42.5	42
GE 7000	32.9	33.3	37.1	38.3	40.1	40.9	41.6	42.4	42.7	4
GE 6000	32.9	33.4	37.2	38.4	40.3	41.0	41.7	42.5	42.9	4
GE 5000	34.5	35.3	39.5	40.5	43.1	43.8	44.9	45.8	46.1	44
GE 4500	37.6	38.3	42.9	44.2	47.0	47.6	48.9	49.9	50.2	5
GE 4000	41.5	42.3	47.6	49.0	52.0	52.7	54.0	55.5	56.3	5
GE 3500	43.2	44.1	49.5	50.9	54.1	54.7	56.0	57.5	58.3	5
GE 3000	46.7	46.5	52.2	53.7	56.9	57.7	59.1	60.5	61.3	6
GE 2500	47.7	48.7	54.3	55.8	59.5	60.4	61.8	63.4	64.1	6
GE 2000	50.5	51.0	57.5	59.2	63.3	64.2	65.9	67.3	68.2	6
GE 1800	50.4	51.4	58.1	59.9	64.0	64.8	66.2	68.0	68.9	6
GE 1500	51.9	53.0	60.1	62.2	66.6	67.5	69.1	71.1	71.9	7
GE 1200	53.4	54.5	62.0	64.3	68.7	69.7	71.3	73.2	74.1	7
GE 1000	55.2	56.2	64.3	66.3	71.4	72.5	74.4	76.3	77.3	7
GE 900	55.6	56.4	64.7	67.2	71.9	73.1	75.2	77.1	78.1	7
GE 800	55.9	56.9	65.4	67.8	72.7	74.1	75.2	78.4	79.4	7
GE 700	56.5	57.5	66.5	69.1	74.0	75.4	77.6	80.9	81.2	8
GE 600	56.7	57.7	66.9	69.7	74.7	76.3	78.9	81.4	82.6	8
GE 500	57.2	58.3	67.6	70.4	75.7	77.4	80.1	83.5	84.9	8
GE 400	57.5	58.6	68.2	71.1	76.3	78.2	81.0	84.5	86.0	8
GE 300	57.5	58.7	68.7	71.7	77.0	79.0	81.9	86.0	87.7	8
GE 200	57.5	58.7	68.7	71.7	77.2	79.2	82.2	86.3	88.1	8
GE 100	57.5	58.7	68.7	71.7	77.2	79.2	82.2	86.5	88.2	8
GE 000	57.5	58.7	68.7	71.7	77.2	79.2	82.2	86.5	88.2	8

TOTAL NUMBER OF OBSERVATIONS 930

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STN: UPPER HEYFORD RAF UK — PERIOD OF RECORD: JUL 74 - JUN 88
CD: - 0 — MONTH: JAN HOURS: 06-08

VISIBILITY IN METERS											
GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
30.2	30.9	31.6	32.5	32.5	32.9	32.9	32.9	33.1	33.2	33.2	33.8
33.7	34.3	35.1	35.9	36.2	36.2	36.2	36.3	36.6	36.7	36.7	37.2
33.7	34.3	35.1	35.9	36.2	36.2	36.2	36.3	36.6	36.7	36.7	37.2
33.7	34.3	35.1	35.9	36.2	36.2	36.2	36.3	36.6	36.7	36.7	37.2
33.7	34.3	35.1	35.9	36.2	36.2	36.2	36.3	36.6	36.7	36.7	37.2
34.6	35.3	36.0	36.9	37.2	37.2	37.2	37.3	37.5	37.6	37.6	38.2
36.9	36.6	37.3	38.2	38.5	38.5	38.5	38.6	38.8	38.9	38.9	39.5
36.9	37.6	38.3	39.1	39.5	39.5	39.5	39.6	39.8	39.9	39.9	40.4
39.9	40.6	41.3	42.2	42.5	42.5	42.5	42.6	42.8	42.9	42.9	43.4
40.1	40.8	41.5	42.4	42.7	42.7	42.7	42.8	43.0	43.1	43.1	43.7
40.3	41.0	41.7	42.6	42.9	42.9	42.9	43.0	43.2	43.3	43.3	43.9
43.1	43.8	44.9	45.8	46.1	46.1	46.1	46.2	46.5	46.6	46.6	47.1
47.0	47.6	48.8	49.9	50.2	50.2	50.3	50.4	50.6	50.8	50.8	51.3
52.0	52.7	54.0	55.5	55.9	55.9	56.1	56.3	56.6	56.8	56.8	57.3
54.1	54.7	56.0	57.5	58.0	58.0	58.2	58.4	58.6	58.8	58.8	59.4
56.9	57.7	59.1	60.6	61.3	61.3	61.5	61.7	61.9	62.2	62.2	62.7
63.6	63.4	61.6	63.4	64.1	64.1	64.3	64.5	64.7	64.9	64.9	65.5
63.6	64.2	65.5	67.3	68.0	68.0	68.4	68.6	68.8	69.0	69.0	69.6
64.0	64.8	66.2	68.0	68.6	68.6	69.0	69.2	69.5	69.7	69.7	70.2
66.6	67.5	69.1	71.1	71.9	71.9	72.4	72.6	73.1	73.3	73.3	73.9
68.7	69.7	71.3	73.2	74.1	74.1	74.5	74.7	75.3	75.5	75.5	76.0
71.4	72.5	74.4	76.3	77.3	77.5	78.0	78.2	78.8	79.2	79.2	79.9
71.9	73.1	75.2	77.1	78.1	78.3	78.7	78.9	79.6	80.0	80.0	80.6
72.7	74.1	76.2	78.4	79.4	79.6	80.0	80.2	80.9	81.3	81.3	81.9
74.0	75.4	77.8	80.2	81.2	81.7	82.2	82.4	83.1	83.7	83.7	84.3
74.7	76.3	78.8	81.4	82.6	83.1	83.7	83.9	84.6	85.3	85.4	86.0
75.7	77.4	80.1	83.5	84.9	85.5	86.2	86.5	87.2	87.6	88.1	88.7
76.3	78.2	81.0	84.6	86.0	86.6	87.4	87.6	88.5	89.1	89.5	90.4
77.0	79.0	81.9	85.0	87.7	88.5	89.5	89.8	90.8	91.5	91.5	92.9
77.2	79.2	82.2	86.3	88.1	89.2	90.9	91.4	92.5	93.5	94.4	96.9
77.2	79.2	82.2	86.5	88.2	89.4	91.0	91.5	92.6	93.8	95.1	99.6
77.2	79.2	82.2	86.5	88.2	89.4	91.0	91.5	92.6	93.8	95.3	100.0

OPERATING LOCATION "B" PERCENTAGE FREQUENCY OF OCCURRENCE OF
USAFETAC, ASHEVILLE NC FROM HOURLY OBSERVATIO

STATION NUMBER: 36583 STATION NAME: UPPER HEYFORD RAF UK
LST TO UTC: - 0

CEILING IN FEET	VISIBILITY IN METERS 7 112	5 40	3 30	2 50	1 48	1 40	1 32	1 24	1 20	1 1
NO CEIL	22.4	22.5	23.3	23.5	25.3	25.7	25.9	26.3	26.[illegible]	27
GE 20000	24.5	24.7	25.4	29.1	31.3	32.0	32.3	32.4	33.2	33
GE 18000	24.5	24.7	25.4	29.1	31.3	32.0	32.3	32.4	33.2	33
GE 15000	24.5	24.7	25.4	29.1	31.3	32.0	32.3	32.4	33.2	33
GE 14000	24.5	24.7	28.4	29.1	31.3	32.0	32.3	32.4	33.2	33
GE 12000	25.4	25.4	29.2	30.0	32.2	32.9	33.1	33.2	34.1	34
GE 10000	26.3	26.7	33.5	31.5	34.0	34.7	34.9	35.1	35.9	36
GE 9000	26.5	26.5	31.9	31.9	34.4	35.2	35.4	35.5	36.5	35
GE 8000	2[illegible].3	2[illegible].5	32.7	34.1	37.2	38.9	39.1	39.2	4[illegible].2	4
GE 7000	2[illegible].7	2[illegible].4	33.1	34.5	38.4	39.5	39.5	39.9	40.9	41
GE 6000	28.7	29.1	33.3	34.9	38.6	39.7	40.2	40.2	41.2	41
GE 5000	30.4	31.9	35.7	37.4	41.4	42.5	42.9	43.2	44.2	44
GE 4500	32.4	32.9	37.2	39.7	43.9	45.1	45.5	46.9	47.2	47
GE 4000	37.4	38.9	41.5	43.5	49.2	49.5	50.9	50.9	52.2	52
GE 3500	39.2	37.4	44.5	45.5	51.5	53.1	53.7	54.4	56.9	56
GE 3000	40.4	41.9	44.9	50.1	55.3	57.0	57.5	58.3	59.2	59
GE 2500	41.5	42.3	49.4	51.5	57.2	58.9	59.5	60.8	62.9	62
GE 2000	43.3	44.5	52.3	54.9	60.0	62.5	63.1	64.1	65.2	67
GE 1800	43.9	44.5	52.3	55.2	61.1	62.3	63.4	64.4	65.5	67
GE 1500	45.1	46.7	55.4	59.1	65.4	67.4	68.3	69.2	71.5	72
GE 1200	46.2	47.1	56.3	60.3	67.1	69.1	70.0	71.0	73.2	74
GE 1000	47.7	48.4	58.3	62.9	70.0	72.0	73.9	73.9	76.1	77
GE 900	48.1	48.9	59.0	63.7	70.5	72.9	73.9	75.1	77.3	78
GE 800	48.2	49.2	59.7	64.4	71.3	74.0	74.9	76.5	78.[illegible]	74
GE 700	48.2	49.2	59.4	64.5	72.2	74.3	75.3	75.9	79.4	8[illegible]
GE 600	48.4	49.2	60.0	65.3	73.4	75.8	76.9	78.7	81.3	82
GE 500	48.4	49.2	60.1	65.6	74.0	76.5	77.6	80.1	82.9	83
GE 400	48.4	49.2	60.1	65.6	74.0	76.9	78.4	81.1	84.1	85
GE 300	48.4	49.2	60.1	65.6	74.0	76.9	78.5	81.4	84.3	86
GE 200	48.4	49.2	60.1	65.6	74.0	77.1	78.5	81.7	85.4	87
GE 100	48.4	49.2	60.1	65.6	74.0	77.1	78.3	81.7	85.4	87
GE 000	48.4	49.2	60.1	65.6	74.0	77.1	78.5	81.7	85.4	87

TOTAL NUMBER OF OBSERVATIONS 930

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

UPPER HEYFORD RAF UK — PERIOD OF RECORD: JUL 73 - JUN 85
MONTH: JAN HOURS: 09-11

CEILING IN FEET	VISIBILITY IN METERS GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
[illegible]	25.7	25.9	26.0	26.3	27.0	27.2	27.4	27.4	27.5	27.7	28.1
[illegible]	32.0	32.3	32.4	33.2	33.4	33.7	34.0	34.0	34.1	34.3	34.6
[illegible]	32.0	32.3	32.4	33.2	33.4	33.7	34.0	34.0	34.1	34.3	34.6
[illegible]	32.0	32.3	32.4	33.2	33.4	33.7	34.0	34.0	34.1	34.3	34.6
[illegible]	32.0	32.3	32.4	33.2	33.4	33.7	34.0	34.0	34.1	34.3	34.6
[illegible]	32.9	33.1	33.2	34.1	34.3	34.5	34.8	34.8	34.9	35.2	35.5
[illegible]	34.7	34.9	35.1	35.9	36.1	36.5	36.8	36.8	36.9	37.3	37.5
[illegible]	35.2	35.4	35.5	35.5	36.8	37.2	37.5	37.5	37.7	38.2	38.5
[illegible]	38.9	39.1	39.2	40.2	40.5	41.0	41.3	41.3	41.5	41.9	42.3
[illegible]	39.5	39.8	39.9	40.9	41.2	41.6	41.9	41.9	42.2	42.6	42.9
[illegible]	39.7	40.0	40.2	41.2	41.5	41.9	42.3	42.3	42.5	42.9	43.2
[illegible]	42.5	42.9	43.2	44.2	44.5	45.1	45.4	45.4	45.6	46.1	46.5
[illegible]	45.1	45.5	45.9	46.9	47.6	48.2	48.5	48.5	48.7	49.2	49.7
[illegible]	49.5	50.0	50.3	52.0	52.7	53.4	53.8	53.8	54.0	54.5	54.9
[illegible]	53.1	53.7	54.4	55.9	56.6	57.3	57.6	57.6	57.8	58.4	58.8
[illegible]	57.0	57.5	58.3	60.0	60.5	61.4	61.7	61.7	61.9	62.5	62.9
[illegible]	58.9	59.5	60.3	62.2	62.8	63.7	64.0	64.0	64.2	64.7	65.2
[illegible]	52.5	53.1	54.1	56.2	57.1	58.1	58.5	58.5	58.9	59.4	59.9
[illegible]	52.3	53.4	54.4	56.6	57.4	58.4	58.9	58.9	59.1	59.7	70.1
[illegible]	67.4	68.3	69.2	71.5	72.4	73.3	73.9	73.9	74.1	74.5	75.1
[illegible]	69.1	70.0	71.0	73.2	74.1	75.1	75.6	75.6	75.8	76.3	76.5
[illegible]	72.0	72.9	73.9	76.1	77.0	78.0	78.5	78.5	78.7	79.2	79.8
[illegible]	72.9	73.9	75.1	77.3	78.2	79.1	79.7	79.7	79.9	80.4	81.0
[illegible]	74.0	74.0	76.5	78.0	79.7	81.0	81.5	81.5	81.9	82.5	83.0
[illegible]	74.3	75.3	75.9	79.4	80.2	81.6	82.2	82.5	83.0	83.5	84.1
[illegible]	75.8	76.9	78.7	81.3	82.2	83.8	84.3	84.6	85.2	85.7	86.2
[illegible]	75.5	77.5	80.1	82.9	83.9	85.6	86.5	86.3	87.3	88.0	88.5
[illegible]	76.9	78.4	81.1	84.1	85.5	87.6	88.5	88.9	89.6	90.3	90.9
[illegible]	76.9	78.5	81.4	84.8	86.9	89.2	90.2	90.9	91.5	92.4	93.3
[illegible]	77.1	78.8	81.7	85.4	87.4	90.0	91.3	92.0	93.1	94.2	96.0
[illegible]	77.1	78.8	81.7	85.4	87.5	90.1	91.4	92.4	94.0	95.5	99.6
[illegible]	77.1	78.5	81.7	85.4	87.5	90.1	91.4	92.4	94.0	95.6	100.0

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATI

STATION NUMBER: 35663 STATION NAME: UPPER HEYFORD RAF UK
LST TO UTC: - 0

CEILING IN FEET	VISIBILITY IN METERS GE 112	GE 80	GE 60	GE 50	GE 48	GE 40	GE 32	GE 24	GE 20
NO CEIL	17.5	17.5	21.4	21.7	22.3	22.4	22.5	23.0	23.3
GE 20000	24.7	24.7	27.2	28.0	29.0	29.3	29.5	30.2	30.5
GE 18000	24.7	24.7	27.3	28.1	29.1	29.4	29.6	30.4	30.7
GE 16000	24.7	24.7	27.3	28.1	29.1	29.4	29.6	30.4	30.7
GE 14000	25.0	25.0	27.6	28.3	29.3	29.6	29.8	30.6	30.9
GE 12000	25.7	25.7	28.2	29.0	29.7	30.2	30.5	31.2	31.5
GE 10000	27.	27.	30.3	31.0	33.2	33.5	33.7	34.4	34.8
GE 9000	28.1	28.2	31.3	32.4	33.7	34.2	34.4	35.2	35.5
GE 8000	30.5	30.	34.1	35.7	38.3	38.7	39.1	39.3	40.3
GE 7000	31.2	31.2	35.1	36.7	39.3	39.9	40.0	40.8	41.2
GE 6000	31.4	31.4	35.6	37.0	39.6	40.2	40.4	41.1	41.5
GE 5000	32.8	32.9	36.7	38.4	41.3	42.0	42.3	43.1	43.
GE 4500	34.3	34.8	39.3	43.5	43.5	44.3	44.7	45.5	46.2
GE 4000	36.7	37.0	42.4	44.2	47.	48.0	48.3	50.7	51.5
GE 3500	40.3	41.	45.5	48.5	52.2	53.9	54.4	55.0	57.2
GE 3000	44.5	45.0	51.8	54.0	57.7	60.0	60.5	62.3	62.5
GE 2500	46.0	46.3	53.3	57.1	61.5	63.2	63.7	65.6	66.7
GE 2000	48.7	49.0	55.5	60.0	64.9	65.4	67.3	69.3	70.0
GE 1800	49.0	49.1	56.3	60.5	65.5	67.1	68.0	70.1	71.3
GE 1500	50.4	50.7	59.4	63.1	67.4	69.9	71.2	73.2	74.5
GE 1200	50.8	51.1	60.1	64.5	70.5	72.0	73.3	75.5	76.3
GE 1000	51.3	51.5	61.1	66.0	72.6	74.1	75.3	77.5	78.3
GE 900	51.3	52.4	62.5	67.5	74.3	75.9	77.2	79.3	80.7
GE 800	51.9	52.5	62.8	67.9	74.8	76.5	77.9	80.4	81.5
GE 700	52.1	52.7	63.2	68.4	75.7	77.7	79.0	81.7	83.1
GE 600	52.2	52.9	63.4	68.5	76.7	79.1	80.4	83.1	84.5
GE 500	52.2	52.9	63.5	69.3	77.7	80.2	81.5	84.2	85.5
GE 400	52.2	52.9	64.0	69.3	79.0	81.6	82.9	86.0	87.5
GE 300	52.2	52.9	64.0	69.3	79.1	81.8	83.2	86.9	88.5
GE 200	52.2	52.9	64.0	69.3	79.1	81.8	83.3	87.1	88.8
GE 100	52.2	52.9	64.0	69.4	79.1	81.8	83.3	87.1	88.8
GE 000	52.2	52.9	64.0	69.4	79.1	81.8	83.3	87.1	88.8

TOTAL NUMBER OF OBSERVATIONS 929

FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

[illegible] AFB UK PERIOD OF RECORD: JUL 79 - JUN 85
MONTH: JAN HOURS: 12-14

CEILING IN METERS									
2	3	[illegible]	8	5	3	5	3	5	5
32	24	[illegible]	15	12	10	[illegible]	05	04	00
[illegible]	23.5	23.5	23.5	23.7	23.7	23.7	23.7	23.9	23.9
[illegible]	[illegible]	[illegible]	31.0	31.1	31.1	31.1	31.1	31.2	31.3
[illegible]	[illegible]	[illegible]	31.1	31.2	31.2	31.2	31.2	31.3	31.4
[illegible]	[illegible]	[illegible]	31.1	31.2	31.2	31.2	31.2	31.3	31.4
[illegible]	[illegible]	[illegible]	31.3	31.4	31.4	31.4	31.4	31.5	31.6
[illegible]	31.2	31.5	32.0	32.1	32.1	32.1	32.1	32.2	32.3
35.7	34.4	[illegible]	35.2	35.4	35.4	35.4	[illegible]	35.5	35.7
[illegible]	[illegible]	[illegible]	36.2	36.3	36.3	36.3	36.3	36.5	36.5
[illegible]	[illegible]	[illegible]	[illegible]	40.9	40.9	40.9	[illegible]	41.1	41.2
[illegible]	[illegible]	41.2	41.[illegible]	41.9	41.9	41.9	41.9	42.1	42.2
[illegible]	41.1	41.5	42.1	42.2	42.2	42.2	42.2	42.4	42.5
43.5	43.1	[illegible]	44.1	44.2	44.2	44.2	[illegible]	44.5	44.5
[illegible]	[illegible]	[illegible]	[illegible]	46.9	46.9	46.9	[illegible]	47.1	47.3
[illegible]	[illegible]	[illegible]	[illegible]	52.2	52.2	52.2	52.2	52.4	52.[illegible]
[illegible]	[illegible]	57.2	57.[illegible]	[illegible]	55.1	55.1	[illegible]	55.3	58.4
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	54.7	54.7	54.7	54.9	55.0
[illegible]	[illegible]	[illegible]	57.0	57.5	57.9	57.9	57.9	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	71.5	71.8	71.9	71.9	71.9	72.1	72.2
[illegible]	73.1	71.[illegible]	72.2	[illegible]	72.7	72.7	72.7	72.9	73.[illegible]
71.9	73.[illegible]	74.5	75.7	75.9	76.1	76.1	76.1	76.3	76.4
[illegible]	75.[illegible]	[illegible]	[illegible]	[illegible]	75.5	75.5	75.5	78.7	78.[illegible]
[illegible]	77.5	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	80.9
77.2	[illegible]	[illegible]	81.9	[illegible]	82.3	82.5	82.5	[illegible]	82.[illegible]
77.[illegible]	[illegible]	[illegible]	83.1	83.5	83.7	84.1	84.1	84.4	84.5
[illegible]	1.7	83.1	84.4	84.9	85.0	85.5	85.7	86.0	86.1
[illegible]	3.1	[illegible]	85.1	[illegible]	87.2	87.5	87.5	87.9	88.1
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	89.9
[illegible]	[illegible]	[illegible]	[illegible]	90.7	91.1	91.9	92.4	92.7	92.[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	91.5	92.1	93.0	93.5	93.9	94.5
[illegible]	7.1	[illegible]	90.7	92.1	92.6	93.9	95.4	96.2	97.1
[illegible]	7.1	83.[illegible]	90.7	92.5	93.0	94.6	95.2	97.7	99.7
[illegible]	7.1	[illegible]	90.7	92.5	93.0	94.6	95.2	98.9	100.0

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF C
FROM HOURLY OBSERVATIONS

STATION NUMBER: [illegible] STATION NAME: UPPER HEYFORD RAF UK
LST TO UTC: - 0

CEILING IN FEET	VISIBILITY IN METERS 10	9	8	7	6	5	4	3	2	1	0
	112	[illegible]	80	60	49	40	32	24	20	16	
NO CEIL	19.4	19.4	22.6	23.2	23.9	24.0	24.2	24.7	24.7	24.9	
[illegible]	20.1	[illegible]	22.2	30.4	31.3	31.4	31.5	32.6	32.5	32.	
[illegible]	[illegible]	[illegible]	22.6	30.5	31.5	31.5	32.0	32.[illegible]	32.[illegible]	33.	
[illegible]	[illegible]	[illegible]	22.5	30.5	31.5	31.5	32.0	32.4	32.[illegible]	33.[illegible]	
[illegible]	25.3	[illegible]	29.5	30.5	31.5	31.5	32.0	32.4	32.[illegible]	33.[illegible]	
[illegible]	25.7	[illegible]	29.9	31.1	31.9	32.0	32.5	33.2	33.2	33.4	
[illegible]	[illegible]	27.0	31.9	33.3	34.3	34.4	34.[illegible]	35.6	35.5	35.[illegible]	
[illegible]	[illegible]	[illegible]	33.1	34.[illegible]	35.[illegible]	35.5	35.[illegible]	35.5	35.9	37.[illegible]	
[illegible]	31.[illegible]	31.6	37.3	38.9	41.3	41.5	42.2	43.0	43.1	43.4	
[illegible]	32.2	[illegible]	38.1	39.7	42.0	42.3	42.9	43.[illegible]	43.9	44.[illegible]	
[illegible]	32.5	[illegible]	38.5	40.2	42.5	42.8	43.4	44.3	44.4	44.7	
[illegible]	37.1	[illegible]	41.4	43.1	45.5	45.9	46.7	48.2	[illegible]	[illegible]	
[illegible]	37.[illegible]	37.7	44.7	45.[illegible]	49.7	50.3	[illegible]	[illegible]	[illegible]	[illegible]	
[illegible]	41.2	41.4	48.9	51.2	53.9	54.3	55.4	57.1	57.5	[illegible]	
[illegible]	43.4	[illegible]	51.4	53.7	57.2	57.6	58.7	60.1	61.4	62.1	
[illegible]	45.9	46.1	54.7	57.1	60.9	61.3	62.5	64.5	65.4	65.[illegible]	
[illegible]	[illegible]	[illegible]	57.[illegible]	58.3	64.1	64.7	65.9	68.1	[illegible]	[illegible]	
[illegible]	47.7	[illegible]	58.7	62.3	65.3	67.2	68.3	72.6	71.5	72.[illegible]	
[illegible]	[illegible]	[illegible]	63.5	63.9	67.4	69.1	69.9	71.9	72.9	73.4	
[illegible]	51.9	52.3	63.1	65.[illegible]	71.5	71.5	73.2	75.9	77.[illegible]	77.[illegible]	
[illegible]	52.6	53.9	64.2	67.9	72.2	73.9	74.8	77.5	73.9	74.	
[illegible]	[illegible]	[illegible]	65.1	[illegible]	74.4	75.3	77.4	[illegible]	81.[illegible]	[illegible]	
[illegible]	[illegible]	[illegible]	65.5	[illegible]	74.9	76.2	[illegible]	[illegible]	[illegible]	[illegible]	
[illegible]	53.1	[illegible]	65.9	69.5	75.7	77.0	79.9	81.4	83.4	[illegible]	
[illegible]	[illegible]	[illegible]	67.0	71.0	77.3	78.9	81.5	84.0	85.[illegible]	[illegible]	
[illegible]	53.9	[illegible]	67.3	71.3	77.7	79.4	1.5	84.5	86.2	87.1	
[illegible]	53.[illegible]	[illegible]	67.4	71.[illegible]	78.5	80.2	82.7	85.7	87.4	[illegible]	
[illegible]	53.9	54.5	67.5	72.0	79.1	80.9	83.3	86.5	[illegible]	[illegible]	
[illegible]	53.9	54.5	67.5	72.0	79.2	81.5	84.5	86.9	90.1	92.[illegible]	
[illegible]	53.9	54.5	67.5	72.0	79.2	81.5	84.5	86.2	90.2	92.	
[illegible]	53.9	54.5	67.5	72.0	79.2	81.5	84.5	86.2	90.2	92.[illegible]	

TOTAL NUMBER OF OBSERVATIONS 930

CENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

ER HEYFORD RAF UK PERIOD OF RECORD: JUL 78 - JUN 88
MONTH: JAN HOURS: 15-17

VISIBILITY IN METERS										
GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
24.0	24.2	24.7	24.7	24.9	25.1	25.4	25.4	25.4	25.4	25.4
31.4	31.6	32.6	32.6	32.9	32.9	33.2	33.2	33.2	33.2	33.2
31.6	32.0	32.8	32.8	33.0	33.1	33.4	33.4	33.4	33.4	33.4
31.6	32.0	32.8	32.8	33.0	33.1	33.4	33.4	33.4	33.4	33.4
31.6	32.0	32.8	32.8	33.0	33.1	33.4	33.4	33.4	33.4	33.4
32.0	32.6	33.2	33.2	33.4	33.6	33.9	33.9	33.9	33.9	33.9
34.4	34.8	35.6	35.6	35.9	36.0	36.3	36.3	36.3	36.3	36.3
35.6	36.0	36.8	36.9	37.2	37.3	37.6	37.6	37.6	37.6	37.6
41.6	42.2	43.0	43.1	43.4	43.6	43.9	43.9	43.9	43.9	43.9
42.3	42.9	43.8	43.9	44.2	44.3	44.6	44.6	44.6	44.6	44.6
42.9	43.4	44.3	44.4	44.7	44.9	45.2	45.2	45.2	45.2	45.2
46.9	46.7	48.0	48.2	48.5	48.6	48.9	48.9	49.0	49.0	49.0
50.0	50.3	52.0	52.6	52.8	52.9	53.2	53.2	53.3	53.3	53.3
54.3	55.4	57.0	57.6	58.0	58.1	58.4	58.4	58.6	58.5	58.5
57.6	58.7	60.8	61.6	62.2	62.4	62.7	62.7	62.8	62.9	62.9
61.3	62.5	64.5	65.4	65.9	66.1	66.5	66.5	66.6	66.7	66.7
64.7	66.9	68.1	69.0	69.6	69.8	70.1	70.1	70.2	70.3	70.3
67.0	68.3	70.6	71.6	72.2	72.4	72.7	72.7	72.8	72.9	72.9
68.1	69.6	71.9	72.9	73.4	73.7	74.0	74.0	74.1	74.2	74.2
71.6	73.2	75.9	77.0	77.6	77.3	78.2	78.2	78.3	78.4	78.4
73.9	74.8	77.6	78.8	79.6	79.8	80.1	80.1	80.2	80.3	80.3
79.6	77.4	80.2	81.6	82.3	82.5	82.8	82.6	82.9	83.0	83.0
79.0	78.0	80.8	82.9	82.6	83.0	83.3	83.3	83.4	83.5	83.5
77.0	79.0	81.8	83.4	84.2	84.5	84.8	84.8	84.9	85.2	85.2
79.0	81.6	84.0	85.6	86.5	86.8	87.1	87.2	87.3	87.5	87.5
79.4	81.6	84.5	86.2	87.1	87.4	87.7	87.8	88.0	88.2	88.2
83.2	82.7	85.7	87.4	88.5	88.9	89.2	89.4	89.5	89.7	89.7
90.9	85.3	85.6	91.3	89.7	90.2	90.5	90.6	91.1	91.3	91.3
91.6	84.5	88.2	90.1	92.3	92.9	93.3	93.4	94.0	94.4	94.7
91.6	84.5	88.2	90.2	92.6	93.3	93.9	94.0	94.9	96.1	96.8
91.6	84.5	88.2	90.2	92.6	93.3	94.0	94.1	95.5	97.1	99.4
91.6	84.5	88.2	90.2	92.6	93.5	94.3	94.4	95.8	97.4	100.0

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF
FROM HOURLY OBSERVATIO

STATION NUMBER: 36583 STATION NAME: UPPER HEYFORD RAF UK
LST TO UTC: - 0

CEILING IN FEET	VISIBILITY IN METERS 9F 112	8F 35	7F 39	6F 53	5F 44	4F 40	3F 32	2F 24	1F 20	1
NO CEIL	23.5	23.4	27.0	29.0	27.6	29.4	29.6	30.1	30.1	30
9F 20000	27.1	28.2	31.3	33.0	33.7	34.7	34.9	35.7	35.7	35
8F 15000	27.4	28.2	31.9	33.0	33.7	34.7	34.9	35.7	35.7	35
7F 14000	27.3	28.2	31.3	33.0	33.7	34.7	34.9	35.7	35.7	35
6F 14000	27.1	28.4	32.0	33.2	33.9	34.9	35.2	35.9	35.9	36
5F 12000	28.7	29.2	32.9	34.1	34.7	35.9	35.9	36.2	36.2	37
4F 10000	29.5	31.4	34.3	35.9	36.7	37.7	38.0	38.7	38.7	3
3F 7000	31.9	31.9	35.4	37.3	37.7	38.5	39.0	39.4	39.7	4
2F 5000	34.1	35.5	38.9	41.5	42.4	43.3	44.0	44.7	44.7	4
1F 7000	35.5	36.1	40.1	42.3	43.2	44.6	44.9	45.5	45.5	45
0F 5000	36.2	36.5	41.5	42.4	43.9	45.3	45.5	46.2	46.2	4
9F 4000	39.3	39.7	45.3	47.1	47.4	51.5	51.9	52.3	52.6	5
8F 4000	42.3	43.9	48.8	50.5	53.2	55.5	55.9	56.9	56.9	57
7F 4000	44.5	45.4	51.5	53.4	56.1	58.4	58.9	59.7	59.9	5
6F 3000	47.3	48.1	54.5	56.7	59.4	61.5	61.9	62.9	63.4	6
5F 3000	50.3	51.1	57.5	59.8	62.6	64.9	65.2	66.6	67.1	67
4F 2000	51.7	52.6	59.5	61.7	64.7	67.2	67.4	68.8	69.4	6
3F 2000	52.4	54.3	61.7	64.2	67.5	70.1	70.4	72.4	73.3	73
2F 1000	54.3	55.1	62.3	65.4	68.7	71.5	72.2	73.9	74.4	74
1F 1500	55.3	56.4	63.2	67.7	71.2	74.1	74.7	76.5	77.1	77
0F 1300	55.3	57.2	65.9	69.9	71.9	75.3	75.9	77.6	78.3	7
9F 1000	56.1	57.5	67.2	70.3	74.1	77.7	78.4	79.4	1.0	2
8F 900	56.2	58.1	67.5	70.9	74.7	78.4	79.0	81.1	82.4	8
7F 700	57.2	58.4	68.1	71.3	75.4	79.0	79.9	82.9	83.4	8
6F 700	57.3	58.5	68.7	72.5	75.5	80.4	81.5	84.3	85.7	8
5F 600	57.5	58.5	69.1	72.9	77.0	81.2	82.3	85.1	86.5	87
4F 500	57.7	59.0	69.3	73.5	78.4	82.7	84.1	87.0	88.4	8
3F 400	57.7	59.0	69.9	73.7	78.6	83.3	84.5	87.5	89.0	9
2F 300	57.7	59.0	69.9	73.7	78.7	83.4	84.5	88.0	89.5	9
1F 200	57.7	59.0	69.9	73.7	78.7	83.4	84.7	88.3	90.2	91
0F 100	57.7	59.0	69.9	73.7	78.7	83.4	84.7	88.3	90.2	91
9F 000	57.7	59.0	69.9	73.7	78.7	83.4	84.7	88.3	90.2	91

TOTAL NUMBER OF OBSERVATIONS 9[illegible]

ASE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

EYFORD RAF UK PERIOD OF RECORD: JUL 78 - JUN 88
MONTH: JAN HOURS: 18-20

ISIBILITY IN METERS										
	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE
40	32	24	20	16	12	10	08	06	04	00
.4	29.6	30.1	30.1	30.3	30.6	30.6	30.8	30.8	30.9	31.2
.7	34.9	35.7	35.7	35.9	36.5	36.5	36.6	36.6	36.7	37.0
.7	34.9	35.7	35.7	35.9	36.5	36.5	36.6	36.6	36.7	37.0
.7	34.9	35.7	35.7	35.9	36.5	36.5	36.6	36.6	36.7	37.0
.9	35.2	35.9	35.9	36.1	36.7	36.7	36.8	36.8	36.9	37.2
.7	35.9	36.6	36.6	37.0	37.5	37.5	37.6	37.6	37.7	38.1
.7	38.9	38.7	38.7	38.9	39.5	39.5	39.6	39.6	39.7	40.0
.	39.9	39.8	39.8	40.0	40.5	40.5	40.6	40.6	40.8	41.1
.	44.9	44.7	44.7	44.9	45.5	45.5	45.6	45.6	45.7	46.0
.8	44.5	45.5	45.6	45.8	46.3	46.3	46.5	46.5	46.6	46.9
.3	45.5	45.2	45.2	45.6	47.0	47.0	47.1	47.1	47.2	47.5
.5	51.6	52.3	52.6	52.8	53.3	53.3	53.7	53.7	53.8	54.1
.5	55.5	56.6	56.9	57.1	57.6	57.7	58.1	58.1	58.2	58.5
.4	58.6	59.7	60.0	60.3	60.9	61.0	61.3	61.3	61.4	61.7
.5	61.6	62.9	63.4	63.8	64.3	64.4	64.7	64.7	64.8	65.2
.7	65.2	66.6	67.1	67.4	68.0	68.1	68.4	68.4	68.5	68.8
.2	67.4	68.9	69.4	69.7	70.2	70.3	70.6	70.6	70.8	71.1
.1	70.8	72.4	73.0	73.3	73.9	74.0	74.3	74.3	74.4	74.7
.	72.2	73.8	74.4	74.7	75.4	75.5	75.8	75.8	75.9	76.2
.1	74.7	76.5	77.1	77.7	78.5	78.7	79.0	79.0	79.1	79.5
.3	75.9	77.6	78.3	78.9	79.7	79.9	80.2	80.2	80.3	80.6
.7	78.4	80.4	81.0	82.4	83.1	83.3	83.7	83.7	83.8	84.1
.4	79.0	81.1	82.4	83.3	84.1	84.3	84.6	84.6	84.7	85.1
.2	79.9	82.0	83.4	84.4	85.2	85.4	85.7	85.7	85.8	86.1
.4	81.6	84.3	85.7	86.7	87.6	87.8	88.2	88.2	88.3	88.6
.2	82.3	85.1	86.5	87.4	88.4	88.6	88.9	88.9	89.0	89.4
.7	84.1	87.0	88.4	89.5	90.4	90.8	91.1	91.2	91.3	91.7
.3	84.5	87.5	89.0	90.1	91.3	91.7	92.0	92.3	92.5	93.2
.4	84.5	88.0	89.6	90.6	91.9	92.5	92.8	93.1	93.9	94.5
.4	84.7	88.3	90.2	91.5	93.1	94.0	94.3	95.1	95.9	97.1
.4	84.7	88.3	90.2	91.5	93.1	94.2	94.7	95.9	97.4	99.7
.4	84.7	88.3	90.2	91.5	93.1	94.2	94.7	96.0	97.7	100.0

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE O
FROM HOURLY OBSERVATI

STATION NUMBER: 36553 STATION NAME: UPPER HEYFORD RAF UK
LST TO UTC: - 0

CEILING IN FEET	VISIBILITY IN METERS 9B 112	9F 90	8E 80	8F 60	8E 48	8E 40	3E 32	3- 24	3F 20	
NO CEIL	24.4	24.5	27.3	27.5	29.4	29.8	31.0	31.7	32.0	3
9F 20000	27.5	29.1	30.9	31.3	33.0	33.5	35.2	35.9	36.2	3
9F 18000	27.5	29.1	30.9	31.3	33.0	33.5	35.2	35.9	36.2	3
9F 15000	27.5	29.1	30.9	31.3	33.0	33.5	35.2	35.9	36.2	3
9F 14000	27.5	29.1	30.9	31.3	33.0	33.5	35.2	35.9	36.2	3
9E 12000	28.1	29.3	31.1	31.8	33.2	33.5	35.4	36.1	36.5	3
9E 10000	29.7	29.9	32.7	33.1	34.8	35.4	37.3	37.7	38.1	3
9F 9000	30.3	30.6	33.3	33.6	35.5	36.0	37.6	38.4	38.7	3
9F 8000	33.7	33.9	37.4	38.1	40.0	40.5	42.5	43.3	43.7	4
9F 7000	34.3	34.6	38.1	38.7	40.8	41.3	43.3	44.1	44.4	4
9E 6000	34.7	35.1	38.5	39.5	41.6	42.4	44.4	45.2	45.5	4
9E 5000	37.7	38.1	41.7	42.5	43.2	45.9	48.2	47.0	48.9	5
9F 4500	41.1	41.4	45.5	46.5	48.4	50.2	52.6	53.5	54.5	5
9E 4000	44.1	44.4	49.0	50.0	53.0	54.0	56.3	57.4	58.7	6
9E 3500	45.1	45.9	51.5	52.5	55.5	56.5	58.9	60.4	61.3	6
9E 3000	49.9	50.1	55.5	55.8	59.1	61.4	63.9	65.5	66.3	6
9F 2500	53.5	52.4	58.0	59.5	63.0	64.3	66.5	68.4	69.5	7
9E 2000	53.7	54.2	60.1	61.1	65.9	67.3	69.5	71.4	72.5	7
9F 1800	54.3	54.5	60.5	62.4	66.3	68.0	70.4	72.0	73.1	7
9E 1500	55.3	57.1	63.7	65.8	70.3	71.9	74.4	75.3	77.7	7
9E 1200	57.3	57.8	65.4	67.3	72.5	74.5	77.0	78.9	80.3	8
9F 1000	58.4	59.7	67.5	69.5	74.7	76.7	79.5	81.5	83.3	8
9F 900	58.5	60.1	68.1	70.3	75.3	77.2	80.1	82.0	84.0	8
9E 800	59.7	62.2	68.5	70.5	75.8	78.0	80.9	82.8	84.9	8
9E 700	59.9	63.5	69.5	71.7	76.3	79.0	82.0	84.4	85.5	8
9E 600	60.1	63.2	69.7	71.9	77.1	79.5	82.5	84.5	87.3	8
9E 500	60.3	61.0	70.0	72.3	77.7	80.9	84.2	85.5	88.4	8
9E 400	60.3	61.0	70.3	72.5	78.1	81.2	84.5	87.3	89.9	9
9E 300	60.3	61.0	70.3	72.7	78.3	81.4	85.2	88.1	90.9	9
9E 200	60.4	61.1	70.4	72.8	78.4	81.5	85.4	88.5	91.9	9
9E 100	60.4	61.1	70.4	72.8	78.4	81.5	85.4	88.5	91.9	9
9E 000	60.4	61.1	70.4	72.8	78.4	81.5	85.4	88.5	91.9	9

TOTAL NUMBER OF OBSERVATIONS 930

TAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

HEYFORD RAF UK — PERIOD OF RECORD: JUL 73 - JUN 88
MONTH: JAN HOURS: 21-23

ISIBILITY IN METERS										
GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
30.8	31.0	31.7	32.0	32.3	32.6	32.7	32.8	32.9	33.1	33.4
33.5	35.2	35.9	36.2	36.5	36.9	37.0	37.1	37.2	37.4	37.7
33.5	35.2	35.9	36.2	36.5	36.9	37.0	37.1	37.2	37.4	37.7
33.5	35.2	35.9	36.2	36.5	36.9	37.0	37.1	37.2	37.4	37.7
33.5	35.2	35.9	36.2	36.5	36.9	37.0	37.1	37.2	37.4	37.7
33.8	35.4	36.1	36.5	36.7	37.1	37.2	37.3	37.4	37.6	38.0
35.4	37.0	37.7	38.1	38.3	38.7	38.8	38.9	39.0	39.2	39.6
35.0	37.5	38.4	38.7	38.9	39.4	39.5	39.6	39.7	39.9	40.2
40.5	42.5	43.3	43.7	43.9	44.3	44.4	44.5	44.6	44.8	45.2
41.3	43.3	44.1	44.4	44.6	45.1	45.2	45.3	45.4	45.6	45.9
42.4	44.4	45.2	45.5	45.7	46.1	46.2	46.3	46.5	46.7	47.0
48.9	49.2	49.0	49.9	50.1	50.5	50.6	50.8	50.9	51.1	51.4
50.2	52.5	53.5	54.5	54.8	55.3	55.4	55.5	55.6	55.8	56.1
54.0	55.3	57.8	58.7	58.9	59.4	59.5	59.6	59.7	59.9	60.2
60.5	61.9	60.4	61.3	61.5	61.9	62.0	62.2	62.3	62.5	62.8
61.4	63.9	65.5	66.3	66.5	67.0	67.1	67.2	67.3	67.5	67.8
66.3	66.7	68.4	68.5	69.7	70.1	70.2	70.3	70.4	70.6	71.0
67.3	69.3	71.4	72.5	72.7	73.1	73.2	73.3	73.4	73.7	74.0
70.0	70.4	72.0	73.1	73.3	73.8	73.9	74.0	74.1	74.3	74.6
71.9	74.4	76.3	77.7	78.1	78.6	78.7	78.8	78.9	79.1	79.5
76.5	77.9	78.9	80.3	80.6	81.2	81.3	81.4	81.5	81.7	82.0
76.7	79.6	81.5	83.3	83.7	84.2	84.3	84.4	84.5	84.7	85.1
77.2	80.1	82.0	84.0	84.3	84.8	84.9	85.1	85.2	85.4	85.7
77.6	80.9	82.8	84.9	85.3	85.8	85.9	86.0	86.1	86.3	86.7
78.0	82.0	84.4	86.8	87.1	87.6	87.7	87.8	88.0	88.2	88.5
79.5	82.5	84.8	87.3	87.8	88.4	88.5	88.6	88.7	88.9	89.2
81.9	84.2	85.5	89.4	90.1	90.5	90.8	90.9	91.0	91.2	91.5
81.2	84.5	87.3	89.9	90.6	91.2	91.4	91.5	91.9	92.2	92.8
81.4	85.2	88.1	90.9	91.7	92.3	92.5	92.7	93.5	94.0	94.7
81.5	85.4	88.5	91.9	93.0	93.8	94.3	94.5	95.6	96.1	97.5
81.5	85.4	88.5	91.9	93.0	94.0	94.5	94.7	95.8	97.4	100.0
81.5	85.4	88.5	91.9	93.0	94.0	94.5	94.7	95.8	97.4	100.0

OPERATING LOCATION "A" PERCENTAGE FREQUENCY OF OCCURRENCE
USAFETAC, ASHEVILLE NC FROM HOURLY OBSERVAT

STATION NUMBER: 35553 STATION NAME: UPPER HEYFORD RAF UK
LST TO UTC: - 0

CEILING IN FEET	VISIBILITY IN METERS 50 112	3F 40	3E 80	0F 60	3E 40	3F 40	3G 32	3 24	3F 20
NO CEIL	22.9	23.2	25.0	26.4	27.5	28.0	28.5	29.0	29.3
3F 20000	26.9	27.2	30.3	31.2	32.6	33.1	33.5	34.4	34.7
3F 18000	27.0	27.2	30.4	31.2	32.7	33.2	33.9	34.5	34.5
3F 15000	27.0	27.2	30.4	31.2	32.7	33.2	33.9	34.5	34.5
3E 14000	27.1	27.3	30.4	31.3	32.7	33.2	33.9	34.5	34.5
3F 12000	27.5	27.9	31.0	31.9	33.3	33.9	34.5	35.1	35.4
3F 10000	29.5	29.1	32.5	33.5	35.0	35.5	36.2	36.9	37.1
3F 9000	29.4	29.7	33.2	34.3	35.9	36.3	37.0	37.6	37.9
3F 8000	32.1	32.4	36.3	37.5	39.6	40.3	41.2	41.9	42.1
3E 7000	32.5	32.9	36.9	38.1	40.2	40.9	41.8	42.4	42.7
3F 6000	32.5	33.0	37.3	38.5	40.9	41.5	42.4	43.0	43.4
3F 5000	36.2	38.5	40.0	41.4	44.1	44.9	46.9	45.7	47.0
3F 4500	37.	39.2	43.0	44.0	47.6	48.5	49.5	50.5	51.0
3F 4000	41.0	41.5	45.0	46.4	51.4	52.6	55.0	55.1	55.7
3E 3500	43.3	43.9	49.4	51.0	54.5	55.7	56.9	58.3	59.0
3F 3000	46.3	46.	52.9	54.7	58.4	59.7	60.9	62.4	63.0
3F 2500	49.1	49.5	55.1	57.2	61.1	62.4	63.7	65.3	66.0
3F 2000	50.1	50.9	57.5	59.3	64.2	65.5	67.0	68.7	69.7
3E 1800	50.6	51.3	58.3	60.7	65.0	66.4	67.9	69.6	70.6
3F 1500	52.5	53.3	61.0	63.5	68.2	69.7	71.3	73.2	74.3
3F 1200	53.5	54.2	62.3	65.1	70.0	71.7	73.3	75.2	76.4
3F 1000	54.5	55.2	63.9	67.1	72.4	74.1	75.9	77.0	78.2
3F 900	54.5	55.7	64.6	67.7	73.1	74.9	76.7	78.7	80.1
3F 800	55.1	56.3	65.1	68.4	74.0	75.9	77.7	79.9	81.4
3F 700	55.5	56.5	66.1	69.5	75.2	77.2	79.2	81.7	83.3
3F 600	55.8	56.7	66.3	69.9	75.8	78.0	80.0	82.5	84.3
3F 500	56.0	56.9	66.9	70.5	76.8	79.4	81.5	84.5	86.4
3F 400	56.1	57.0	67.1	70.9	77.4	80.1	82.4	85.5	87.5
3F 300	56.2	57.1	67.2	71.0	77.6	80.4	82.9	86.4	88.5
3F 200	56.2	57.1	67.2	71.0	77.6	80.5	83.0	86.7	89.2
3F 100	56.2	57.1	67.2	71.0	77.7	80.5	83.1	86.7	89.2
3F 000	56.2	57.1	67.2	71.0	77.7	80.5	83.1	86.7	89.2

TOTAL NUMBER OF OBSERVATIONS 7438

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

UPPER HEYFORD RAF UK — PERIOD OF RECORD: JUL 73 - JUN 88
MONTH: JAN HOURS: ALL

	VISIBILITY IN METERS										
	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
[illegible]	28.0	28.5	29.0	29.3	29.4	29.5	29.8	29.9	30.0	30.1	30.4
[illegible]	33.1	33.5	34.4	34.7	34.9	35.1	35.3	35.5	35.5	35.6	35.9
[illegible]	33.2	33.9	34.5	34.5	34.9	35.2	35.4	35.5	35.6	35.7	36.0
[illegible]	33.2	33.9	34.5	34.5	34.9	35.2	35.4	35.5	35.6	35.7	36.0
[illegible]	33.2	33.9	34.5	34.5	35.0	35.2	35.4	35.6	35.6	35.7	36.0
[illegible]	33.9	34.5	35.1	35.4	35.6	35.8	36.0	36.2	36.2	36.4	36.6
[illegible]	35.0	35.2	36.9	37.1	37.3	37.6	37.8	37.9	38.0	38.2	38.4
[illegible]	36.3	37.0	37.6	37.9	38.2	38.4	38.6	38.8	38.9	39.0	39.3
[illegible]	40.3	41.2	41.[illegible]	42.1	42.4	42.6	42.8	43.0	43.1	43.2	43.5
[illegible]	40.9	41.8	42.4	42.7	43.0	43.2	43.5	43.6	43.7	43.8	44.1
[illegible]	41.5	42.4	43.0	43.4	43.6	43.9	44.1	44.2	44.3	44.4	44.7
[illegible]	44.9	45.9	46.7	47.2	47.4	47.7	47.9	48.1	48.2	48.4	48.6
[illegible]	49.5	49.5	50.5	51.0	51.3	51.6	51.8	52.0	52.1	52.3	52.5
[illegible]	52.5	53.5	55.1	55.7	56.0	56.4	56.7	56.8	56.9	57.1	57.4
[illegible]	55.7	56.9	58.3	59.0	59.4	59.8	60.1	60.2	60.3	60.5	60.8
[illegible]	59.7	60.9	62.4	63.2	63.6	64.0	64.3	64.4	64.6	64.7	65.0
[illegible]	62.4	63.7	65.3	66.2	66.6	67.0	67.3	67.4	67.5	67.7	68.0
[illegible]	65.5	67.3	68.7	69.7	70.1	70.6	70.9	71.0	71.1	71.3	71.6
[illegible]	66.4	67.9	69.6	70.6	71.0	71.5	71.8	72.0	72.1	72.3	72.5
[illegible]	69.7	71.3	73.2	74.3	74.8	75.4	75.7	75.9	76.0	76.2	76.5
[illegible]	71.7	73.3	75.2	76.4	76.9	77.5	77.8	78.0	78.1	78.3	78.6
[illegible]	74.1	75.9	77.[illegible]	79.2	79.8	80.3	80.7	80.9	81.1	81.3	81.6
[illegible]	74.9	75.7	78.7	80.1	80.7	81.3	81.6	81.8	82.0	82.2	82.5
[illegible]	75.9	77.7	79.9	81.4	82.0	82.7	83.0	83.2	83.5	83.7	84.0
[illegible]	77.2	79.2	81.7	83.3	84.0	84.7	85.0	85.3	85.6	85.9	86.2
[illegible]	78.0	80.0	82.6	84.3	85.0	85.8	86.1	86.5	86.8	87.0	87.3
[illegible]	79.4	81.5	84.5	86.4	87.3	88.2	88.6	88.9	89.3	89.6	89.9
[illegible]	80.1	82.4	85.5	87.5	88.6	89.6	90.1	90.5	91.0	91.4	91.9
[illegible]	80.4	82.9	85.4	88.6	89.9	91.1	91.6	92.1	92.8	93.3	94.0
[illegible]	80.5	83.0	86.7	89.2	90.6	92.0	92.7	93.3	94.4	95.4	96.9
[illegible]	80.5	83.1	86.7	89.2	90.7	92.1	92.9	93.6	94.9	96.6	99.6
[illegible]	80.5	83.1	86.7	89.2	90.7	92.1	92.9	93.7	95.0	96.9	100.0

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE O
FROM HOURLY OBSERVATI

STATION NUMBER: 36553 STATION NAME: UPPER HEYFORD RAF UK
LST TO UTC: - 0

CEILING IN FEET	VISIBILITY IN METERS									
	[illegible]	[illegible]	60	50	45	40	35	30	27	
	112	32	60	50	45	40	32	24	20	
NO CEIL	20.3	[illegible]	25.2	27.[illegible]	31.0	31.7	32.9	33.5	34.1	3
GE 20000	22.[illegible]	22.[illegible]	28.1	30.7	34.0	34.7	35.3	35.4	37.1	3
GE 18000	22.[illegible]	22.[illegible]	28.1	30.7	34.0	34.7	35.3	35.4	37.1	3
GE 16000	22.3	22.9	28.1	30.7	34.0	34.7	35.3	35.4	37.1	3
GE 14000	22.3	22.9	28.1	30.7	34.0	34.7	35.3	35.4	37.1	3
GE 12000	22.4	23.[illegible]	28.2	30.[illegible]	34.1	34.3	35.0	35.5	37.3	3
GE 10000	23.[illegible]	24.4	28.5	32.	35.5	36.2	37.5	38.2	39.0	3
GE 9000	24.1	24.[illegible]	30.3	32.5	35.8	36.5	37.9	38.5	39.4	3
GE 8000	25.5	26.1	31.4	34.0	37.7	38.4	39.7	40.4	41.5	4
GE 7000	25.8	26.9	32.3	34.9	38.7	39.4	40.9	41.5	42.[illegible]	4
GE 6000	26.5	27.1	32.7	35.3	39.3	40.0	41.5	42.2	43.4	4
GE 5000	28.[illegible]	29.1	35.0	37.5	42.0	42.7	44.3	45.0	46.2	4
GE 4500	31.4	32.[illegible]	39.3	42.1	45.5	47.5	49.2	50.0	51.2	5
GE 4000	34.1	34.7	42.3	45.4	50.4	51.3	53.1	54.1	55.3	5
GE 3500	36.3	37.4	45.2	48.2	53.4	54.4	56.1	57.5	58.7	5
GE 3000	40.1	40.7	48.[illegible]	52.0	57.4	58.5	60.3	61.[illegible]	63.9	6
GE 2500	41.4	42.[illegible]	50.5	53.7	59.7	60.7	62.[illegible]	64.[illegible]	65.3	[illegible]
GE 2000	42.7	43.4	52.4	55.9	62.3	63.3	65.3	66.9	68.[illegible]	[illegible]
GE 1800	42.7	43.4	52.5	55.3	62.9	63.9	65.9	67.5	[illegible]	[illegible]
GE 1500	44.5	47.2	55.0	58.5	65.5	66.5	68.5	71.3	72.[illegible]	7
GE 1200	45.2	48.4	56.3	60.5	68.0	69.3	73.1	75.5	76.9	7
GE 1000	45.9	47.2	57.9	62.5	71.2	72.5	77.1	79.5	83.9	
GE 900	46.5	47.2	58.1	62.7	71.5	72.9	77.2	79.5	81.1	
GE 800	47.1	47.9	60.0	64.7	74.3	75.9	80.3	83.5	84.9	[illegible]
GE 700	47.5	48.3	60.7	65.5	75.5	77.0	82.4	85.5	86.[illegible]	[illegible]
GE 600	47.[illegible]	48.5	61.0	65.9	75.7	77.2	82.7	85.7	87.1	
GE 500	47.[illegible]	48.5	61.2	65.3	75.3	77.[illegible]	83.4	87.4	[illegible]	[illegible]
GE 400	47.9	48.5	61.2	65.3	76.9	78.4	84.1	88.1	90.0	
GE 300	47.[illegible]	48.6	61.3	66.4	77.0	78.5	84.7	88.3	90.7	
GE 200	47.9	48.5	61.3	66.4	77.0	78.5	84.7	89.0	90.9	
GE 100	47.5	48.5	61.3	66.4	77.0	78.5	84.7	89.0	90.9	
GE 000	47.5	48.5	61.3	66.4	77.0	78.5	84.7	89.0	90.9	

TOTAL NUMBER OF OBSERVATIONS 84[illegible]

ENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

MEYFORD RAF UK PERIOD OF RECORD: JUL 78 - JUN 83
MONTH: FEB HOURS: 00-02

VISIBILITY IN METERS										
GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
31.7	32.9	33.5	34.1	34.4	34.4	34.7	34.8	34.9	34.9	34.9
34.7	35.8	36.4	37.1	37.6	37.6	38.0	38.1	38.2	38.2	38.2
34.7	35.8	36.4	37.1	37.6	37.6	38.0	38.1	38.2	38.2	38.2
34.7	35.8	36.4	37.1	37.6	37.6	38.0	38.1	38.2	38.2	38.2
34.7	35.8	36.4	37.1	37.6	37.6	38.0	38.1	38.2	38.2	38.2
34.8	36.0	36.6	37.3	37.7	37.7	38.1	38.2	38.3	38.3	38.3
36.2	37.6	38.2	39.0	39.5	39.5	39.9	40.0	40.1	40.1	40.1
36.6	37.9	38.6	39.4	39.9	39.9	40.2	40.3	40.4	40.4	40.4
39.4	40.7	41.4	41.6	42.1	42.1	42.6	42.7	42.8	42.8	42.8
39.4	40.9	41.6	42.6	43.3	43.3	43.8	43.9	44.0	44.0	44.0
40.9	41.6	42.2	43.4	43.9	43.9	44.3	44.5	44.6	44.6	44.6
42.7	44.3	45.0	46.2	46.7	46.7	47.2	47.3	47.4	47.4	47.4
47.6	49.2	50.0	51.2	51.7	51.7	52.1	52.2	52.5	52.5	52.5
51.3	53.1	54.1	55.3	55.8	55.8	56.3	56.4	56.5	56.7	56.7
54.4	56.1	57.5	58.7	59.2	59.2	59.7	59.8	60.0	60.1	60.1
58.5	60.3	61.6	63.0	63.4	63.4	63.9	64.0	64.3	64.4	64.4
60.7	62.5	64.0	65.3	65.8	65.8	65.3	65.4	65.6	65.7	65.7
63.3	65.3	66.9	68.2	69.0	69.0	69.5	69.6	69.8	69.9	69.9
63.9	65.9	67.5	68.8	69.6	69.6	70.0	70.2	70.4	70.5	70.5
66.6	68.5	71.3	72.6	73.5	73.5	74.1	74.2	74.4	74.5	74.5
67.3	73.1	75.5	76.9	78.1	78.1	78.7	78.8	79.0	79.1	79.1
72.6	77.0	79.6	80.9	82.7	82.7	83.3	83.4	83.6	83.7	83.7
72.9	77.2	79.8	81.1	82.9	82.9	83.5	83.6	83.8	84.0	84.0
76.8	80.8	83.6	84.9	86.7	86.7	87.3	87.4	87.6	87.7	87.7
77.0	82.4	85.6	86.8	88.6	88.8	89.4	89.5	89.7	89.9	89.9
77.2	82.7	85.7	87.1	89.0	89.3	90.0	90.1	90.3	90.4	90.4
77.6	83.4	87.4	88.8	90.7	91.2	91.9	92.0	92.2	92.3	92.3
78.4	84.1	88.1	90.0	92.0	92.7	93.4	93.5	93.8	93.9	93.9
78.5	84.7	88.3	90.7	92.8	93.8	94.5	94.7	95.2	95.9	95.9
78.5	84.7	89.0	90.9	93.0	94.8	95.5	95.8	96.2	96.9	97.8
78.5	84.7	89.0	90.9	93.0	94.9	95.6	95.9	96.6	97.9	99.9
78.5	84.7	89.0	90.9	93.0	94.9	95.6	95.9	96.6	97.9	100.0

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE BY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 36663 STATION NAME: UPPER HEYFORD RAF UK
LST TO UTC: - 0

CEILING IN FEET	VISIBILITY IN METERS									
	GE 112	GE 80	GE 50	GE 50	GE 48	GE 40	GE 32	GE 24	GE 20	
NO CEIL	13.6	15.6	23.3	25.2	27.6	28.2	29.1	29.9	30.6	3
GE 20000	21.6	22.6	25.0	27.0	29.4	30.2	31.2	32.0	32.7	3
GE 15000	21.6	22.6	25.0	27.0	29.4	30.2	31.2	32.0	32.7	3
GE 14000	21.6	22.6	25.0	27.0	29.4	30.2	31.2	32.0	32.7	3
GE 10000	20.6	21.1	25.2	27.2	29.7	30.4	31.4	32.3	33.0	3
GE 12000	20.6	21.1	25.2	27.2	29.7	30.4	31.4	32.3	33.0	3
GE 10000	22.3	22.8	26.5	28.5	31.0	31.7	32.7	33.5	34.4	3
GE 9000	22.7	23.3	27.2	29.2	31.7	32.4	33.4	34.3	35.1	3
GE 8000	23.3	24.1	28.5	30.5	33.0	33.9	35.0	35.9	36.9	3
GE 7000	24.4	24.9	29.1	31.1	33.7	34.4	35.7	36.5	37.3	3
GE 6000	25.3	26.2	30.2	32.2	35.0	35.7	37.0	37.8	38.6	3
GE 5000	26.7	27.5	31.9	34.0	37.5	38.4	39.9	40.7	41.5	4
GE 4000	29.1	30.4	35.5	37.7	41.1	41.9	43.5	44.4	45.5	4
GE 3000	31.2	31.5	37.0	40.2	43.7	44.6	46.3	47.3	48.2	4
GE 2500	32.5	33.3	39.3	41.5	45.1	46.0	47.7	48.2	50.4	5
GE 2000	35.9	37.2	44.3	46.2	50.6	51.5	53.2	54.2	55.9	5
GE 1500	38.	39.1	46.3	49.0	53.2	54.1	55.8	57.5	58.9	5
GE 1200	40.9	41.1	49.5	51.5	55.8	57.7	59.5	61.5	62.7	6
GE 1000	40.9	41.2	49.2	52.5	56.9	58.9	60.3	62.3	64.1	6
GE 1500	43.3	43.7	52.5	56.3	62.2	63.1	65.7	67.5	69.9	6
GE 1200	44.0	44.7	54.7	58.4	64.7	65.6	68.3	71.3	73.7	7
GE 1000	45.1	46.5	55.6	58.6	67.4	68.4	72.6	74.7	75.1	7
GE 900	45.5	46.9	56.3	60.3	68.2	69.3	73.4	75.6	77.0	7
GE 800	45.7	46.9	57.1	62.0	70.3	71.6	75.7	78.0	79.9	
GE 700	45.1	46.4	57.6	62.5	71.4	72.8	77.3	80.6	81.5	8
GE 600	45.1	46.4	57.9	62.9	71.7	73.1	77.5	80.7	82.5	8
GE 500	45.4	45.8	58.7	63.2	72.9	74.3	78.4	80.7	84.3	8
GE 400	45.4	45.8	58.9	64.2	73.3	75.1	79.3	84.5	85.2	8
GE 300	45.4	45.8	59.0	64.4	73.5	75.4	80.4	84.9	86.9	8
GE 200	45.4	46.3	59.0	64.5	73.5	75.6	81.0	85.4	87.4	8
GE 100	45.4	46.3	59.0	64.5	73.7	75.7	81.2	85.5	87.5	8
GE 000	45.4	45.8	59.0	64.5	73.7	75.7	81.2	85.5	87.5	8

TOTAL NUMBER OF OBSERVATIONS 849

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

[illegible] HEYFORD RAF UK PERIOD OF RECORD: JUL 72 - JUN 88
MONTH: FEB HOURS: 03-05

VISIBILITY IN METERS										
GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
[illegible]	29.1	29.9	30.6	30.9	31.0	31.0	31.1	31.4	32.3	32.4
30.2	31.2	32.0	32.7	33.1	33.2	33.2	33.3	33.7	34.9	35.0
30.2	31.2	32.0	32.7	33.1	33.2	33.2	33.3	33.7	34.9	35.0
30.2	31.2	32.0	32.7	33.1	33.2	33.2	33.3	33.7	34.9	35.0
30.4	31.4	32.3	33.0	33.3	33.5	33.5	33.6	33.9	35.1	35.2
30.4	31.4	32.3	33.0	33.3	33.5	33.5	33.6	33.9	35.1	35.2
31.7	32.7	33.6	34.4	34.7	34.9	34.9	35.0	35.3	35.5	35.5
32.4	33.5	34.3	35.1	35.5	35.6	35.6	35.7	36.0	37.2	37.3
33.9	35.0	35.8	36.5	37.0	37.2	37.2	37.3	37.7	38.9	39.0
34.4	35.7	36.5	37.3	37.7	37.9	37.9	38.0	38.4	39.5	39.7
35.7	37.0	37.8	38.6	39.0	39.2	39.2	39.3	39.7	40.9	41.0
3[illegible].4	39.9	40.8	41.6	42.2	42.4	42.4	42.5	42.9	44.1	44.2
41.9	43.0	44.4	45.5	45.[illegible]	46.1	46.1	46.2	46.5	47.7	47.8
44.5	46.3	47.3	48.5	49.0	49.1	49.1	49.2	49.6	50.8	50.9
45.0	47.7	49.2	50.4	50.8	51.0	51.0	51.1	51.5	52.7	52.8
51.5	53.2	54.8	55.9	56.3	56.5	56.5	56.7	57.0	58.2	58.3
54.1	55.5	57.5	58.9	59.2	59.5	59.5	59.6	60.0	61.1	61.2
57.7	59.5	61.5	62.9	63.4	63.6	63.6	63.7	64.1	65.3	65.4
58.9	60.9	62.8	64.1	64.7	64.9	64.9	65.0	65.4	66.5	66.7
58.1	65.7	67.5	68.9	69.5	69.7	69.7	69.8	70.2	71.4	71.5
65.5	69.3	71.3	72.7	73.4	73.6	73.7	73.9	74.2	75.4	75.5
67.4	72.5	74.7	76.1	76.9	77.5	77.6	77.7	78.1	79.3	79.4
69.3	73.4	75.6	77.0	78.0	78.5	79.0	79.2	79.5	80.7	80.9
71.5	75.7	78.2	79.9	80.8	81.5	82.0	82.1	82.4	83.6	83.7
72.8	77.3	80.0	81.6	82.6	83.4	83.9	84.0	84.3	85.5	85.6
73.1	77.6	80.7	82.3	83.3	84.2	84.7	84.9	85.3	86.5	86.6
74.3	79.4	82.7	84.3	85.6	86.7	87.2	87.4	87.9	88.9	89.0
75.1	80.3	84.5	86.3	87.8	89.0	89.5	89.8	90.1	91.3	91.4
75.4	80.8	84.9	86.9	89.2	91.0	91.5	91.8	92.1	93.6	93.8
75.5	81.0	85.4	87.4	89.9	91.9	92.5	93.1	93.6	95.2	96.0
75.7	81.2	85.5	87.5	90.0	92.0	92.9	93.5	94.7	96.5	99.4
75.7	81.2	85.5	87.5	90.0	92.0	92.9	93.5	94.7	96.5	100.0

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF
FROM HOURLY OBSERVATI

STATION NUMBER: [illegible] STATION NAME: UPPER HEYFORD RAF UK
LST TO UTC: - 0

CEILING IN FEET	VISIBILITY IN METERS									
	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	
[illegible] CEIL	15.7	15.[illegible]	19.[illegible]	19.7	21.9	22.9	23.4	23.9	24.5	[illegible]
[illegible]	17.[illegible]	17.[illegible]	20.3	21.3	24.5	25.4	26.3	27.1	[illegible]	[illegible]
[illegible]	17.[illegible]	17.[illegible]	20.3	21.3	24.5	25.4	26.3	27.1	[illegible]	[illegible]
[illegible]	17.[illegible]	17.[illegible]	20.3	21.3	24.5	25.4	26.3	27.1	[illegible]	[illegible]
[illegible]	17.[illegible]	17.[illegible]	21.[illegible]	21.9	24.5	25.6	26.4	27.2	[illegible]	[illegible]
[illegible]	17.[illegible]	17.[illegible]	21.[illegible]	21.9	24.5	25.6	26.4	27.2	[illegible]	[illegible]
[illegible]	[illegible]	1[illegible].7	22.1	23.1	25.[illegible]	26.9	27.7	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	1[illegible].[illegible]	22.5	23.4	25.4	27.3	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	24.5	25.5	28.4	29.3	[illegible]	31.[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	24.7	25.[illegible]	29.[illegible]	30.9	31.7	31.[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	24.7	25.9	29.1	30.[illegible]	31.1	31.9	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	27.[illegible]	29.[illegible]	32.[illegible]	33.3	34.[illegible]	[illegible]	37.1	[illegible]
[illegible]	[illegible]	[illegible]	31.4	32.[illegible]	37.1	[illegible]	39.7	41.2	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	34.4	35.[illegible]	40.[illegible]	41.[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	37.7	41.9	43.2	44.[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	41.2	[illegible]	47.7	49.9	51.4	52.7	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	50.1	51.4	[illegible]	[illegible]	[illegible]	
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	54.1	[illegible]	57.[illegible]	[illegible]	61.1	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	54.7	[illegible]	57.5	[illegible]	61.7	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	51.1	55.9	[illegible]	[illegible]	63.4	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	51.4	59.9	61.1	64.3	67.3	[illegible]	[illegible]
[illegible]	[illegible]	41.3	[illegible]	[illegible]	51.9	53.5	[illegible]	[illegible]	71.1	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	53.1	52.1	54.5	67.[illegible]	71.6	73.4	[illegible]
[illegible]	[illegible]	41.3	41.4	[illegible]	54.3	54.9	55.4	72.1	73.4	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	51.9	55.1	55.6	58.1	72.2	[illegible]	77.5
[illegible]	[illegible]	42.4	[illegible]	51.8	55.7	55.4	59.9	73.4	77.5	73.2
[illegible]	[illegible]	[illegible]	[illegible]	51.3	55.2	55.9	69.7	74.7	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	43.1	51.9	55.3	57.3	70.3	75.3	79.4	[illegible]
[illegible]	[illegible]	[illegible]	43.1	51.9	56.3	57.4	70.4	75.5	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	43.1	51.9	56.3	57.4	70.4	75.5	80.9	83.3
[illegible]	[illegible]	[illegible]	43.1	51.9	56.3	57.4	70.4	75.5	80.9	83.3
[illegible]	[illegible]	[illegible]	43.1	51.9	56.3	57.4	70.4	75.5	80.9	83.3

TOTAL NUMBER OF OBSERVATIONS 849

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

[illegible] RAF [illegible] PERIOD OF RECORD: JUL 7 - JUL [illegible]
MONTH: FEB HOURS: [illegible]

VISIBILITY IN METERS

[illegible]	[illegible]	[illegible]	[illegible]	15	12	10	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	23.9	[illegible]	[illegible]	[illegible]	25.7	26.0	26.3	26.5	27.3
[illegible]	[illegible]	27.1	[illegible]	[illegible]	29.1	29.2	29.6	[illegible]	30.3	31.0
[illegible]	[illegible]	27.1	[illegible]	[illegible]	29.1	29.2	29.6	[illegible]	30.3	31.0
[illegible]	[illegible]	27.1	[illegible]	[illegible]	29.1	29.2	29.6	[illegible]	30.3	31.0
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	29.3	29.7	30.0	30.4	31.1
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	29.3	29.7	30.0	30.4	31.1
[illegible]	27.7	[illegible]	[illegible]	[illegible]	[illegible]	30.7	31.1	31.4	31.8	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	31.1	31.2	31.6	31.7	32.3	33.0
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	33.1	33.3	33.7	34.0	34.5	35.2
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	32.7	[illegible]	34.3	34.5	35.1	[illegible]
[illegible]	31.1	[illegible]	[illegible]	[illegible]	[illegible]	34.3	[illegible]	35.0	35.5	36.2
[illegible]	[illegible]	[illegible]	37.1	[illegible]	[illegible]	[illegible]	[illegible]	39.3	[illegible]	[illegible]
[illegible]	[illegible]	41.2	[illegible]	[illegible]	43.7	[illegible]	44.3	[illegible]	45.2	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	47.2	47.5	48.1	[illegible]	49.2
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	50.3	[illegible]	51.5
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	55.3	[illegible]	57.5
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	63.4	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	67.4	67.8	68.7
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	72.6
[illegible]	[illegible]	[illegible]	71.1	[illegible]	[illegible]	73.7	74.1	[illegible]	75.0	75.1
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	75.7	[illegible]	76.7	77.7
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	84.0
[illegible]	[illegible]	77.5	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	84.7	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	87.4	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	90.5	[illegible]	92.2
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	95.2
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE O
ROM HOURLY OBSERVATI

STATION NUMBER: 3[illegible] STATION NAME: UPPER HEYFORD RAF UK
LST TO UTC: - 0

CEILING IN FEET	VISIBILITY IN METERS GE 11200	GE 9600	GE 8000	GE 6400	GE 4800	GE 4000	GE 3200	GE 2400	GE 2000	GE 1
NO CEIL	[illegible]	[illegible]	15.	[illegible]	14.1	13.7	[illegible]	20.9	20.7	21
GE 20000	[illegible]	[illegible]	[illegible]	21.2	23.5	24.5	[illegible]	27.1	27.4	[illegible]
GE 18000	[illegible]	[illegible]	20.0	21.4	23.3	24.7	[illegible]	27.4	[illegible]	[illegible]
GE 16000	[illegible]	[illegible]	[illegible]	21.4	[illegible]	24.7	[illegible]	27.4	[illegible]	[illegible]
GE 14000	[illegible]	[illegible]	[illegible]	21.7	24.0	[illegible]	[illegible]	27.7	[illegible]	[illegible]
GE 12000	[illegible]	[illegible]	[illegible]	[illegible]	24.5	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
GE 10000	17.1	17.3	[illegible]	[illegible]	25.5	25.5	[illegible]	[illegible]	[illegible]	[illegible]
GE 9000	[illegible]	17.4	[illegible]	23.4	[illegible]	27.0	[illegible]	[illegible]	[illegible]	[illegible]
GE 8000	[illegible]	[illegible]	22.1	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
GE 7000	17.7	[illegible]	[illegible]	[illegible]	29.1	[illegible]	31.4	33.3	33.7	[illegible]
GE 6000	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	34.	[illegible]	[illegible]
GE 5000	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
GE 4500	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
GE 4000	[illegible]	[illegible]	[illegible]	[illegible]	41.1	[illegible]	[illegible]	47.1	[illegible]	[illegible]
GE 3500	[illegible]	[illegible]	[illegible]	39.1	44.2	45.6	47.3	[illegible]	51.1	[illegible]
GE 3000	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
GE 2500	32.1	[illegible]	[illegible]	[illegible]	[illegible]	51.2	[illegible]	[illegible]	[illegible]	[illegible]
GE 2000	36.7	[illegible]	44.3	47.1	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
GE 1800	[illegible]	[illegible]	46.5	[illegible]	[illegible]	[illegible]	[illegible]	61.1	[illegible]	[illegible]
GE 1500	[illegible]	[illegible]	46.7	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
GE 1200	[illegible]	[illegible]	[illegible]	[illegible]	59.2	61.7	[illegible]	[illegible]	[illegible]	71
GE 1000	[illegible]	[illegible]	[illegible]	[illegible]	61.1	63.7	[illegible]	71.	[illegible]	[illegible]
GE 900	[illegible]	47.	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
GE 800	[illegible]	[illegible]	[illegible]	[illegible]	63.7	[illegible]	71.6	[illegible]	77.3	[illegible]
GE 700	[illegible]	[illegible]	[illegible]	[illegible]	64.7	67.7	72.7	77.3	[illegible]	1
GE 600	[illegible]	[illegible]	47.	64.3	65.3	[illegible]	75.7	[illegible]	[illegible]	[illegible]
GE 500	[illegible]	[illegible]	[illegible]	[illegible]	55.1	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
GE 400	[illegible]	[illegible]	[illegible]	[illegible]	66.2	70.1	[illegible]	[illegible]	[illegible]	[illegible]
GE 300	[illegible]	[illegible]	[illegible]	[illegible]	65.2	70.1	[illegible]	[illegible]	[illegible]	[illegible]
GE 200	[illegible]	[illegible]	53.1	55.	[illegible]	70.1	75.5	[illegible]	[illegible]	[illegible]
GE 100	[illegible]	[illegible]	53.1	[illegible]	[illegible]	70.1	75.5	[illegible]	[illegible]	[illegible]
GE 0	[illegible]	[illegible]	[illegible]	[illegible]	55.2	70.1	[illegible]	[illegible]	[illegible]	7

TOTAL NUMBER OF OBSERVATIONS: [illegible]

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

: UPPER HEYFORD RAF UK — PERIOD OF RECORD: JUL 78 - JUN 88
MONTH: FEB HOURS: 09-11

CEILING IN FEET	VISIBILITY IN METERS GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
[illegible]	18.7	19.6	20.6	20.7	21.8	22.0	22.3	22.3	22.3	22.6	23.0
[illegible]	24.5	25.7	27.1	27.4	28.5	28.7	29.0	29.0	29.0	29.4	30.0
[illegible]	24.7	25.9	27.4	27.8	28.9	29.2	29.4	29.4	29.4	29.9	30.5
[illegible]	24.7	25.9	27.4	27.8	28.9	29.2	29.4	29.4	29.4	29.9	30.5
[illegible]	25.0	26.1	27.7	28.0	29.1	29.4	29.7	29.7	29.7	30.2	30.7
[illegible]	25.5	26.7	28.3	28.5	29.7	30.0	30.3	30.3	30.3	30.7	31.3
[illegible]	26.5	27.9	29.4	29.8	30.9	31.3	31.6	31.6	31.6	32.0	32.6
[illegible]	27.0	28.3	29.8	30.3	31.3	31.8	32.0	32.0	32.0	32.6	33.1
[illegible]	29.0	30.3	32.0	32.4	33.6	33.9	34.2	34.2	34.2	35.0	35.5
[illegible]	30.2	31.4	33.3	33.7	34.7	35.2	35.5	35.5	35.5	36.3	36.9
[illegible]	30.7	32.2	34.3	34.4	35.5	35.9	36.2	36.2	36.2	37.0	37.5
[illegible]	34.0	[illegible]	[illegible]	[illegible]	39.5	40.3	40.5	40.5	40.5	41.3	41.9
[illegible]	38.5	43.4	43.0	43.7	45.0	45.5	45.8	45.8	45.8	46.8	47.3
[illegible]	42.4	44.8	47.1	47.7	49.2	49.8	50.1	50.1	50.3	51.1	51.7
[illegible]	45.5	47.8	50.5	51.1	52.5	53.4	53.5	53.6	53.9	54.7	55.2
[illegible]	49.5	51.8	54.2	55.5	57.5	57.8	58.1	58.1	58.3	59.1	59.7
[illegible]	51.9	54.2	57.2	58.1	59.5	60.3	60.5	60.7	60.9	61.6	62.2
[illegible]	54.9	57.2	59.8	61.2	63.0	63.8	64.1	64.1	64.3	65.1	65.7
[illegible]	56.3	59.0	61.1	62.1	64.0	64.8	65.0	65.0	65.3	66.1	66.7
[illegible]	58.2	60.9	64.1	65.0	66.9	67.8	68.1	68.3	68.6	69.4	70.0
[illegible]	61.7	65.1	68.4	69.5	71.5	72.4	72.7	72.9	73.1	74.0	74.5
[illegible]	63.7	[illegible]	71.	73.0	75.3	76.2	76.4	76.7	76.9	77.7	78.3
[illegible]	65.0	69.8	73.3	74.4	76.7	77.9	78.1	78.3	78.6	79.4	80.0
[illegible]	66.7	71.4	75.6	77.3	80.3	81.3	81.7	82.1	82.5	83.4	84.0
[illegible]	67.7	72.7	77.3	78.0	81.7	83.0	83.5	84.0	84.5	85.3	85.9
[illegible]	68.7	73.7	78.3	80.1	82.9	84.2	84.7	85.2	85.6	86.5	87.0
[illegible]	73.0	78.4	83.3	82.4	85.7	87.4	88.1	88.6	89.3	90.1	90.7
[illegible]	73.1	78.5	83.6	82.8	86.3	88.2	89.0	89.6	90.3	91.2	91.8
[illegible]	73.1	78.5	83.6	83.2	86.9	89.0	90.0	90.3	91.3	92.8	93.6
[illegible]	75.1	78.5	80.4	83.2	87.0	89.2	90.3	91.2	92.5	93.6	94.7
[illegible]	73.1	78.5	80.3	83.2	87.0	89.2	90.3	91.2	92.8	94.7	99.3
[illegible]	73.1	78.5	80.8	83.2	87.0	89.2	90.3	91.2	92.8	94.8	100.0

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF
FROM HOURLY OBSERVATIO

STATION NUMBER: [illegible]　　STATION NAME: UPPER HEYFORD RAF UK
LST TO UTC: - 0

CEILING IN FEET	VISIBILITY IN METERS GE 112[illegible]	GE [illegible]	GE [illegible]	GE 5[illegible]	GE 4[illegible]	GE 40	GE 32	GE 24	GE 20
NO CEIL	14.4	14.4	17.4	17.9	19.1	19.4	19.9	20.4	20.4
GE 20000	20.3	[illegible]	24.3	25.2	27.6	28.5	29.0	29.6	29.7
GE 18000	20.7	20.7	24.7	25.7	28.0	29.0	29.4	30.0	30.2
GE 16000	20.7	20.7	24.7	25.7	28.0	29.0	29.4	30.0	30.2
GE 14000	20.7	20.7	24.7	25.7	28.0	29.0	29.4	30.0	30.2
GE 12000	21.6	21.6	[illegible]	26.6	29.9	[illegible]	30.3	[illegible]	31.[illegible]
GE 10000	21.[illegible]	21.9	25.0	27.1	29.6	30.[illegible]	31.0	31.[illegible]	31.7
GE 9000	22.1	22.1	26.4	27.4	30.2	31.1	31.5	32.[illegible]	[illegible]
GE 8000	24.7	24.7	[illegible]	[illegible]	33.[illegible]	33.0	34.4	35.1	[illegible]
GE 7000	25.7	[illegible].7	[illegible]	31.0	34.4	35.3	[illegible]	[illegible]	36.7
GE 6000	26.1	26.1	30.4	31.4	35.0	[illegible]	[illegible]	37.7	37.[illegible]
GE 5000	27.[illegible]	27.[illegible]	32.2	33.5	37.7	[illegible]	[illegible]	[illegible]	41.1
GE 4500	[illegible].7	31.[illegible]	35.0	37.[illegible]	42.[illegible]	43.[illegible]	43.[illegible]	[illegible]	[illegible]
GE 4000	34.[illegible]	[illegible]	[illegible]	42.4	45.[illegible]	[illegible].1	[illegible]	[illegible].4	[illegible]
GE 3500	37.[illegible]	[illegible]	43.7	[illegible]	48.0	51.2	51.9	[illegible]	54.7
GE 3000	41.[illegible]	[illegible]	[illegible]	51.[illegible]	55.5	57.[illegible]	[illegible]	[illegible].4	61.[illegible]
GE 2500	[illegible]	45.3	49.0	[illegible]	60.4	61.7	[illegible].4	[illegible]	[illegible]
GE 2000	[illegible]	47.1	[illegible]	[illegible]	63.[illegible]	65.1	[illegible]	67.7	[illegible]
GE 1800	[illegible]	[illegible]	[illegible].3	[illegible].1	64.3	65.1	[illegible]	[illegible]	[illegible]
GE 1500	[illegible]	[illegible]	[illegible]	[illegible]	67.3	[illegible]	[illegible].4	72.[illegible]	73.7
GE 1200	[illegible]	[illegible]	[illegible].4	[illegible]	71.0	73.5	75.[illegible]	[illegible]	[illegible]
GE 1000	[illegible].1	[illegible]	[illegible].7	[illegible].3	72.3	75.[illegible]	[illegible]	[illegible]	[illegible].3
GE 900	43.1	[illegible]	[illegible].7	63.3	72.[illegible]	75.7	[illegible].7	[illegible]	[illegible]
GE 800	43.7	50.6	[illegible]	64.[illegible]	73.5	77.0	[illegible]	[illegible].7	[illegible]
GE 700	[illegible]	[illegible]	59.7	64.4	74.4	[illegible]	[illegible].1	[illegible]	[illegible]
GE 600	49.[illegible]	[illegible]	[illegible].7	64.4	74.	[illegible].3	[illegible]	[illegible]	[illegible]
GE 500	[illegible]	[illegible]	[illegible].3	64.5	75.0	[illegible]	[illegible]	[illegible].7	[illegible]
GE 400	[illegible]	[illegible]	[illegible].3	64.5	75.[illegible]	79.[illegible]	[illegible]	[illegible]	[illegible]
GE 300	[illegible]	[illegible]	[illegible]	64.5	75.5	79.0	[illegible]	[illegible]7.4	[illegible]
GE 200	[illegible]	[illegible]	[illegible]	64.[illegible]	75.5	79.[illegible]	[illegible]	7.[illegible]	[illegible].1
GE 100	[illegible]	[illegible]	[illegible]	64.7	75.5	[illegible]	[illegible]	[illegible]7.[illegible]	[illegible]
GE 0	49.[illegible]	[illegible]	[illegible].3	64.7	75.5	[illegible]	[illegible]	7.[illegible]	[illegible]

TOTAL NUMBER OF OBSERVATIONS [illegible]

NTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

HEYFORD RAF UK — PERIOD OF RECORD: JUL 78 - JUN 83
MONTH: FEB HOURS: 12-14

VISIBILITY IN METERS										
GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
19.4	19.9	20.4	20.4	20.7	20.8	20.8	20.8	20.8	20.8	21.0
29.5	29.9	29.6	29.7	30.0	30.2	30.2	30.2	30.2	30.2	30.3
29.9	29.4	30.0	30.2	30.5	30.6	30.6	30.6	30.6	30.6	30.7
29.9	29.4	30.0	30.2	30.5	30.6	30.6	30.6	30.6	30.6	30.7
29.9	29.4	30.0	30.2	30.5	30.6	30.6	30.6	30.6	30.6	30.7
29.9	30.3	30.9	31.0	31.3	31.4	31.4	31.4	31.4	31.4	31.6
30.9	31.0	31.6	31.7	32.0	32.2	32.3	32.3	32.3	32.3	32.4
31.1	31.9	32.2	32.5	32.6	32.7	32.9	32.9	32.9	32.9	33.0
33.0	34.4	35.1	35.2	35.6	35.7	35.8	35.8	35.8	35.8	35.9
35.3	35.3	36.5	36.7	37.1	37.2	37.3	37.3	37.3	37.3	37.5
38.0	38.5	37.7	37.8	38.3	38.4	38.5	38.5	38.5	38.5	38.6
38.4	39.3	40.0	41.1	41.5	41.7	41.8	41.8	41.8	41.8	41.9
43.2	43.8	45.5	45.5	46.3	46.4	46.5	46.5	46.5	46.5	46.5
49.1	49.8	50.4	51.2	51.5	52.1	52.2	52.2	52.2	52.2	52.3
51.2	51.9	53.3	54.7	55.2	55.5	55.6	55.6	55.7	55.7	55.8
57.2	58.5	60.4	61.9	62.1	62.3	62.4	62.4	62.5	62.5	62.7
61.7	62.4	64.3	65.4	66.1	66.3	66.4	66.4	66.5	66.5	66.7
65.1	66.3	67.7	68.2	69.5	70.0	70.2	70.2	70.4	70.4	70.6
69.1	69.4	69.3	69.8	70.6	71.0	71.3	71.3	71.5	71.5	71.6
71.4	72.4	72.5	73.7	74.4	74.9	75.1	75.1	75.4	75.4	75.5
73.5	75.5	78.0	79.2	80.0	80.4	80.7	80.7	80.9	80.9	81.0
79.4	79.3	81.2	82.3	83.5	84.0	84.2	84.2	84.5	84.5	84.6
75.7	73.7	81.6	82.8	84.0	84.5	84.7	84.7	84.9	84.9	85.0
77.0	80.2	83.7	84.9	86.1	87.0	87.6	87.6	87.9	87.9	88.0
79.0	81.5	85.2	86.3	87.5	88.6	89.2	89.2	89.4	89.4	89.5
79.3	82.0	85.6	86.8	88.2	89.2	89.8	89.8	90.0	90.0	90.1
79.4	83.2	85.7	88.6	90.2	92.1	93.1	93.1	93.4	93.4	93.5
79.9	83.5	87.3	89.4	91.4	93.3	94.5	94.6	94.9	94.9	95.1
79.9	83.5	87.4	89.9	92.0	94.2	95.5	95.8	96.2	96.2	96.3
79.9	83.5	87.4	90.1	92.2	95.1	96.5	96.9	98.1	98.2	98.4
79.9	83.5	87.5	90.2	92.3	95.2	96.6	97.2	98.4	98.5	99.6
79.9	83.5	87.5	90.2	92.3	95.2	96.6	97.2	98.4	98.5	100.0

OPERATING LOCATION "A"
USARTAC, ASHVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF
FROM HOURLY OBSERVATION

STATION NUMBER: 35563 STATION NAME: UPPER HEYFORD ENG UK
LST TO UTC: - 0

CEILING IN FEET	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	VISIBILITY IN METERS									
	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	112	[illegible]	[illegible]	[illegible]	43	40	32	24	23	16
NO CEIL	17.7	17.7	22.1	22.4	24.1	24.7	29.1	25.4	25.8	25.
[illegible]	21.7	22.0	22.4	26.3	31.0	31.7	32.0	32.3	32.3	32.
[illegible]	22.0	22.4	22.9	28.9	31.7	32.4	32.7	33.0	33.0	33.
[illegible]	[illegible]	22.4	27.0	29.9	31.7	32.4	32.7	33.0	33.0	33.
[illegible]	22.1	[illegible]	28.6	29.3	31.8	32.5	32.9	33.1	33.1	33.
[illegible]	23.0	[illegible]	29.0	29.7	33.1	33.8	34.2	34.4	34.4	34.
[illegible]	24.1	24.2	30.9	31.3	35.1	35.9	36.3	36.5	36.5	36.
[illegible]	[illegible]	[illegible]	31.0	32.9	35.2	37.0	37.3	37.5	37.5	37.
[illegible]	27.0	[illegible]	34.0	35.9	38.4	39.5	[illegible]	40.4	40.4	40.
[illegible]	[illegible]	[illegible]	34.6	35.4	39.0	40.0	40.4	41.0	41.0	41.
[illegible]	[illegible]	[illegible]	35.1	36.0	39.5	40.9	41.3	41.9	41.9	42.
[illegible]	31.1	31.6	37.9	39.2	43.1	44.5	45.0	45.7	45.7	46.
[illegible]	34.0	[illegible]	42.5	44.2	48.5	50.1	[illegible]	51.2	51.2	51.
[illegible]	[illegible]	[illegible]	47.3	49.0	54.3	55.5	57.4	57.2	57.4	57.
[illegible]	41.0	41.0	50.2	52.1	55.9	56.4	[illegible]	58.3	58.1	58.
[illegible]	45.1	[illegible]	55.5	57.	58.3	59.0	59.3	57.1	57.4	57.
[illegible]	47.6	[illegible]	[illegible]	61.4	67.4	69.3	70.4	70.8	71.1	71
[illegible]	49.3	49.7	58.8	63.3	71.1	73.0	74.2	74.7	74.9	75
[illegible]	49.3	49.8	61.2	64.3	71.7	73.7	74.4	75.4	75.5	75
[illegible]	49.7	[illegible]	62.6	65.0	73.0	75.1	76.3	76.5	76.2	76
[illegible]	50.5	51.0	63.7	67.4	75.3	77.5	80.7	82.9	83.9	83
[illegible]	[illegible]	51.0	64.4	[illegible]	75.5	81.0	[illegible]	[illegible]	85.0	[illegible]
[illegible]	[illegible]	51.7	64.5	65.0	79.3	82.2	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	51.7	64.9	67.4	80.4	83.9	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	79.9	51.7	65.5	69.0	82.5	84.1	85.0	85.3	85.0	81
[illegible]	[illegible]	51.7	65.1	69.7	81.0	84.5	85.5	85.0	85.0	82
[illegible]	[illegible]	51.0	65.1	69.7	81.4	84.0	85.0	85.7	85.0	83
[illegible]	[illegible]	51.0	65.1	69.7	81.4	84.0	85.0	85.9	81.0	84
[illegible]	[illegible]	51.0	65.1	69.7	81.4	84.0	85.0	81.2	82.2	84
[illegible]	99.9	51.0	65.1	69.7	81.4	84.0	85.0	81.2	82.2	84
[illegible]	100	51.0	65.1	69.7	81.5	84.0	85.0	81.3	82.3	8[illegible]
[illegible]	100	51.0	65.1	69.7	81.5	84.0	85.0	81.3	82.3	[illegible]

TOTAL NUMBER OF OBSERVATIONS [illegible]

TABLE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

HOLYROOD RAF UK PERIOD OF RECORD: JUL 75 - JUN 85
MONTH: FEB HOURS: 15-17

VISIBILITY IN METERS										
GE 00	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
25.7	25.1	25.3	25.3	25.3	25.3	25.3	25.3	25.3	25.3	25.3
31.7	32.0	32.3	32.3	32.3	32.3	32.3	32.3	32.3	32.3	32.3
32.4	32.7	33.0	33.0	33.0	33.0	33.0	33.0	33.0	33.0	33.0
32.4	32.7	33.0	33.0	33.0	33.0	33.0	33.0	33.0	33.0	33.0
32.8	32.8	33.1	33.1	33.1	33.1	33.1	33.1	33.1	33.1	33.1
33.8	34.2	34.4	34.4	34.4	34.4	34.4	34.4	34.4	34.4	34.4
35.9	35.3	36.5	36.5	36.5	36.5	36.5	36.5	36.5	36.5	36.6
37.0	37.3	37.6	37.6	37.6	37.6	37.6	37.7	37.7	37.7	37.7
39.6	39.9	40.4	40.4	40.4	40.4	40.6	40.8	40.8	40.8	40.8
40.8	40.4	41.0	41.0	41.1	41.1	41.3	41.5	41.5	41.5	41.5
41.9	41.3	41.9	41.9	42.0	42.0	42.3	42.4	42.4	42.4	42.4
44.9	45.0	45.7	45.7	45.8	45.3	46.1	46.2	46.2	46.2	46.2
50.1	50.5	51.2	51.2	51.5	51.5	51.7	51.8	51.9	51.8	51.5
56.6	56.4	57.2	57.4	57.6	57.6	57.8	58.0	58.0	58.0	58.0
58.4	59.0	59.3	60.1	60.3	60.3	60.5	60.7	60.7	60.7	60.7
56.6	56.3	57.1	57.4	57.6	57.7	58.0	58.1	58.1	58.1	58.1
69.8	70.0	70.9	71.1	71.4	71.5	71.7	71.8	71.8	71.9	71.8
73.1	73.7	74.7	74.9	75.1	75.6	75.9	76.0	76.0	76.0	76.0
73.7	74.4	75.4	75.6	75.9	76.3	76.6	76.7	76.7	76.7	76.7
76.1	76.3	78.0	78.2	78.4	78.9	79.2	79.3	79.3	79.3	79.3
79.6	80.7	82.9	83.2	83.6	84.1	84.5	84.6	84.6	84.6	84.6
81.9	83.0	85.5	86.0	86.3	87.0	87.4	87.5	87.5	87.5	87.5
83.2	83.7	86.5	86.9	87.3	88.0	88.3	88.5	88.5	88.5	88.5
86.9	85.0	88.2	89.6	89.2	89.9	90.2	90.5	90.5	90.5	90.5
88.1	86.0	89.3	89.8	91.2	91.9	92.3	92.6	92.6	92.7	92.7
88.5	86.5	90.0	90.5	92.3	93.1	93.5	93.8	93.8	93.9	93.9
90.[illegible]	90.[illegible]	90.7	91.5	93.9	94.7	95.2	95.5	95.5	95.5	95.5
90.3	90.5	90.9	91.9	94.3	95.4	95.9	96.3	96.3	96.5	96.5
90.5	90.[illegible]	91.2	92.2	94.9	96.1	96.6	97.2	97.3	97.4	97.4
90.7	90.8	91.2	92.2	94.9	96.9	97.4	98.4	98.6	98.7	98.7
90.9	90.9	91.3	92.3	95.1	97.1	97.5	98.5	98.8	99.1	99.8
90.9	90.9	91.3	92.3	95.1	97.1	97.5	98.5	98.8	99.1	100.0

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF
[illegible] HOURLY OBSERVATI[illegible]

STATION NUMBER: 36993 STATION NAME: UPPER HOYFURD [illegible] UK
LST TO UTC: - 0

CEILING IN FEET	VISIBILITY IN METERS 110	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
NO CEIL	25.0	25.1	25.9	27.4	29.9	30.9	31.9	32.2	32.3	3[illegible]
[illegible]	26.3	28.5	31.4	32.6	35.1	36.3	37.3	37.6	37.7	3[illegible]
[illegible]	26.3	28.5	31.4	32.6	35.3	36.5	37.5	37.[illegible]	37.9	3[illegible]
[illegible]	26.3	28.5	31.4	32.6	35.3	36.5	37.6	37.[illegible]	37.[illegible]	3[illegible]
[illegible]	26.5	[illegible].7	31.7	32.7	35.5	36.7	37.[illegible]	38.0	38.2	3[illegible]
[illegible]	26.7	27.[illegible]	31.[illegible]	33.1	35.9	37.1	38.2	38.4	38.5	3[illegible]
[illegible]	28.7	[illegible]	33.9	35.3	38.4	39.5	4[illegible].5	40.9	41.5	4[illegible]
[illegible]	28.7	[illegible]	34.3	35.7	38.[illegible]	39.9	41.3	41.2	41.3	4[illegible]
[illegible]	30.5	31.1	35.5	37.4	41.5	42.[illegible]	43.5	44.3	44.4	[illegible]
[illegible]	31.2	31.4	37.[illegible]	38.5	41.9	43.1	44.2	44.5	44.[illegible]	4[illegible]
[illegible]	31.4	31.[illegible]	37.7	39.5	42.9	44.2	45.2	45.7	45.[illegible]	4[illegible]
[illegible]	35.2	39.5	41.[illegible]	43.2	45.5	45.2	46.2	46.7	46.[illegible]	[illegible]
[illegible]	38.5	39.7	46.1	49.2	52.2	53.7	55.3	55.5	55.7	[illegible]
[illegible]	42.[illegible]	42.[illegible]	49.3	52.2	55.9	58.5	59.5	59.3	59.4	[illegible]
[illegible]	44.9	44.1	52.2	54.9	59.5	61.2	62.3	63.3	63.1	[illegible]
[illegible]	47.3	47.7	55.[illegible]	58.3	62.9	64.9	65.3	67.1	67.[illegible]	[illegible]
[illegible]	49.[illegible]	51.4	57.[illegible]	60.9	65.1	66.2	69.5	71.7	71.1	7[illegible]
[illegible]	50.[illegible]	51.2	57.3	63.3	67.7	72.2	73.4	74.[illegible]	75.3	7[illegible]
[illegible]	51.[illegible]	1.4	[illegible].9	64.5	70.1	72.4	74.3	75.5	76.3	7[illegible]
[illegible]	51.5	51.5	51.[illegible]	64.9	71.1	73.9	75.2	75.3	76.4	7[illegible]
[illegible]	51.5	51.[illegible]	52.9	65.1	72.4	75.1	73.9	75.1	75.7	[illegible]
[illegible]	51.[illegible]	[illegible].2	54.3	67.5	74.9	7[illegible].3	71.2	[illegible]3.7	84.3	[illegible]
[illegible]	51.[illegible]	[illegible].2	54.1	68.1	75.3	78.3	[illegible]1.5	84.2	84.9	[illegible]
[illegible]	51.9	[illegible].2	54.1	68.4	75.5	79.3	[illegible]2.4	[illegible]5.4	[illegible]	[illegible]
[illegible]	51.9	52.3	54.5	69.[illegible]	76.3	[illegible].5	84.1	87.9	87.9	[illegible]
[illegible]	51.9	52.8	54.5	69.1	76.9	83.7	84.2	87.8	88.5	[illegible]
[illegible]	52.2	52.5	55.0	70.9	78.3	82.9	85.7	90.9	91.5	[illegible]
[illegible]	52.7	52.5	55.1	70.1	78.9	83.2	86.9	91.3	92.8	[illegible]
[illegible]	52.2	52.5	55.1	70.1	78.9	83.2	86.9	91.4	92.7	[illegible]
[illegible]	52.2	52.5	55.3	70.2	79.0	83.3	87.4	91.9	93.3	[illegible]
[illegible]	52.2	52.5	55.3	70.2	79.0	83.3	87.4	91.9	93.3	[illegible]
[illegible]	52.2	52.[illegible]	55.3	70.2	79.0	83.3	87.4	91.9	93.3	[illegible]

TOTAL NUMBER OF OBSERVATIONS 249

TABLE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

BICESTER RAF UK — PERIOD OF RECORD: JUL 78 - JUN 86
MONTH: FEB HOURS: 18-20

VISIBILITY IN METERS										
GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
30.9	31.9	32.2	32.3	32.4	32.4	32.4	32.4	32.6	32.6	32.6
36.3	37.3	37.6	37.7	37.8	37.8	37.8	37.9	38.0	38.0	38.0
36.5	37.5	37.8	37.9	38.0	38.0	38.0	38.0	38.3	38.3	38.3
36.5	37.6	37.8	37.9	38.0	38.0	38.0	38.0	38.3	38.3	38.3
36.7	37.8	38.0	38.2	38.3	38.3	38.3	38.3	38.5	38.5	38.5
37.1	38.2	38.4	38.5	38.6	38.6	38.6	38.6	38.9	38.9	38.9
39.5	40.6	40.9	41.0	41.1	41.1	41.1	41.1	41.3	41.3	41.3
39.9	41.0	41.2	41.3	41.5	41.5	41.5	41.5	41.7	41.7	41.7
42.	43.3	44.3	44.4	44.5	44.5	44.6	44.6	44.9	44.9	44.9
43.1	44.2	44.5	44.8	45.0	45.0	45.1	45.1	45.3	45.3	45.3
44.2	45.2	45.7	45.8	46.1	46.1	46.2	46.2	46.4	46.4	46.4
47.2	48.2	48.7	48.8	50.1	50.1	50.2	50.2	50.4	50.4	50.4
53.9	55.3	55.6	55.7	55.9	55.9	56.1	56.1	56.3	56.3	56.3
57.5	59.6	60.3	60.4	60.7	60.7	60.8	60.8	61.0	61.0	61.0
61.2	62.3	63.0	63.1	63.4	63.4	63.5	63.5	63.7	63.7	63.7
64.9	66.3	67.1	67.6	67.8	67.8	68.0	68.0	68.2	68.2	68.2
69.2	69.6	70.7	71.1	71.4	71.4	71.5	71.5	71.7	71.7	71.7
72.2	73.4	74.6	75.3	75.5	76.1	76.2	76.2	76.4	76.4	76.4
72.4	74.0	75.5	76.0	76.2	76.8	76.9	76.9	77.1	77.1	77.1
73.5	76.2	78.0	78.4	78.7	79.3	79.4	79.4	79.6	79.6	79.6
75.1	78.0	80.1	80.7	80.9	81.5	81.6	81.6	81.9	81.9	81.9
78.3	81.2	83.7	84.3	84.5	85.2	85.3	85.3	85.5	85.5	85.5
78.3	81.9	84.2	84.9	85.2	85.7	85.9	85.9	86.1	86.1	86.1
79.3	82.4	85.4	86.2	86.8	87.4	87.5	87.5	87.8	87.8	87.8
80.6	84.1	87.0	87.9	88.5	89.2	89.3	89.3	89.5	89.5	89.5
80.7	84.3	87.8	88.6	89.5	90.1	90.2	90.2	90.5	90.5	90.5
82.9	85.7	90.8	91.6	92.6	93.4	93.5	93.5	93.8	93.8	93.8
83.2	86.9	91.3	92.3	93.4	94.3	94.5	94.5	94.7	94.7	94.7
83.2	86.9	91.4	92.7	93.9	95.4	95.6	95.8	96.1	96.5	96.5
83.2	87.4	91.9	93.3	94.7	96.5	96.9	97.3	97.6	98.6	98.7
83.3	87.4	91.9	93.3	94.3	96.6	97.2	97.5	98.2	99.3	100.0
83.3	87.4	91.9	93.3	94.3	96.6	97.2	97.5	98.2	99.3	100.0

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVAT

STATION NUMBER: [illegible]   STATION NAME: UPPER HEYFORD RAF UK
LST TO UTC: - 0

CEILING IN FEET	VISIBILITY IN METERS GE 110[illegible]	GE 7[illegible]	GE [illegible]	GE 60	GE 48	GE 40	GE 32	GE 24	GE 2[illegible]
NO CEIL	23.3	[illegible]	27.[illegible]	2[illegible].9	31.0	32.2	33.3	33.[illegible]	33.[illegible]
GE 20000	24.[illegible]	2[illegible].1	2[illegible].[illegible]	30.9	33.0	34.2	3[illegible].3	35.[illegible]	[illegible]
GE 18000	24.[illegible]	[illegible]	30.2	31.1	33.2	34.4	35.[illegible]	[illegible]	[illegible]
GE 16000	24.[illegible]	2[illegible].3	30.2	31.1	33.2	34.4	3[illegible]	[illegible]	3[illegible]
GE 14000	2[illegible].1	2[illegible]	30.4	31.3	33.5	34.5	35.[illegible]	35.3	3[illegible].4
GE 12000	[illegible].1	2[illegible]	30.[illegible]	31.3	33.5	34.6	35.[illegible]	35.3	35.4
GE 10000	2[illegible].	27.1	32.3	33.3	35.5	37.0	3[illegible].2	3[illegible]	[illegible]
GE 9000	2[illegible]	27.[illegible]	32.[illegible]	33.5	35.[illegible]	37.2	3[illegible]	3[illegible]	37.2
GE 8000	2[illegible]	[illegible].2	3[illegible].5	35.5	37.3	40.5	41.7	42.3	4[illegible]
GE 7000	2[illegible]	3[illegible]	35.[illegible]	37.1	3[illegible].3	41.[illegible]	42.2	42.[illegible]	43.1
GE 6000	3[illegible].4	31.[illegible]	35.[illegible]	37.[illegible]	40.5	41.7	42.[illegible]	43.[illegible]	43.
GE 5000	3[illegible]	3[illegible]	40.3	41.3	44.3	4[illegible]	4[illegible]	47.[illegible]	47.[illegible]
GE 4500	4[illegible]	3[illegible]	4[illegible]	45.1	4[illegible].4	[illegible].1	[illegible]1.[illegible]	[illegible].1	[illegible].4
GE 4000	[illegible]	3[illegible]	4[illegible]	4[illegible].3	[illegible]1.[illegible]	53.[illegible]	[illegible]	[illegible]	[illegible].2
GE 3500	41.[illegible]	41.7	4[illegible].7	[illegible]1.4	5[illegible]	[illegible]5.7	[illegible]	[illegible]0.[illegible]	[illegible]
GE 3000	4[illegible]	4[illegible].7	[illegible]4.[illegible]	5[illegible]	62.7	[illegible]	[illegible]3.[illegible]	6[illegible].1	[illegible]
GE 2500	4[illegible]	4[illegible]	[illegible]	[illegible].7	63.[illegible]	[illegible]5.[illegible]	[illegible]	[illegible].2	[illegible]
GE 2000	4[illegible].1	[illegible]	[illegible]	[illegible]	6[illegible]	6[illegible].7	70.[illegible]	72.[illegible]	7[illegible].4
GE 1800	4[illegible]	4[illegible]	[illegible].4	63.4	6[illegible]	70.4	72.[illegible]	73.7	74.[illegible]
GE 1500	4[illegible]	[illegible]	62.[illegible]	65.[illegible]	7[illegible].7	72.7	74.7	7[illegible]	7[illegible]
GE 1200	[illegible]	[illegible]	63.[illegible]	67.4	72.[illegible]	7[illegible]	77.[illegible]	7[illegible].7	[illegible]
GE 1000	[illegible]	[illegible]1.[illegible]	[illegible]3.7	[illegible]	74.7	77.[illegible]	[illegible].1	[illegible].2	[illegible]
GE 900	[illegible]	[illegible]1.[illegible]	[illegible]	[illegible].1	74.[illegible]	77.1	[illegible]	[illegible].7	[illegible]
GE 800	[illegible]	[illegible]1.7	[illegible]4.1	[illegible].7	75.[illegible]	7[illegible]	[illegible].7	[illegible]	[illegible]
GE 700	[illegible]1.4	[illegible]	[illegible]4.7	69.3	77.1	7[illegible].7	[illegible].3	[illegible]	[illegible]7.[illegible]
GE 600	[illegible]1.[illegible]	[illegible]2.3	[illegible]4.[illegible]	6[illegible].4	77.5	[illegible].1	[illegible]	[illegible]7.3	[illegible]
GE 500	[illegible]1.	[illegible].7	6[illegible].5	70.1	73.6	[illegible]1.4	[illegible]	[illegible]	[illegible].1
GE 400	[illegible]1.[illegible]	[illegible].7	65.5	70.1	73.7	[illegible]1.5	[illegible]	[illegible]	[illegible].
GE 300	[illegible]1.[illegible]	[illegible].7	65.5	70.1	73.7	[illegible]1.5	[illegible]	[illegible]	[illegible]1.0
GE 200	[illegible]1.[illegible]	[illegible].7	65.5	70.1	73.7	[illegible]1.5	[illegible]7.[illegible]	[illegible]	[illegible]1.5
GE 100	[illegible]1.[illegible]	[illegible].7	65.5	70.1	73.7	[illegible]1.5	[illegible]7.0	[illegible]	[illegible]1.5
GE 000	[illegible]1.[illegible]	[illegible].7	65.5	70.1	73.7	[illegible]1.5	[illegible]7.[illegible]	[illegible]	[illegible]1.5

TOTAL NUMBER OF OBSERVATIONS [illegible]

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

: UPPER HEYFORD RAF UK — PERIOD OF RECORD: JUL 75 - JUN 85
: - 9 — MONTH: FEB HOURS: 21-23

VISIBILITY IN METERS											
3E 43	3E 40	3E 32	3E 24	3E 20	3E 16	3E 12	3E 10	3E 08	3E 06	3E 04	3E 00
31.0	32.2	33.3	33.3	33.9	34.3	34.3	34.4	34.4	34.4	34.4	34.6
33.0	34.2	35.3	35.8	35.9	36.5	36.5	36.6	36.6	36.5	36.5	36.9
33.2	34.4	35.5	35.9	36.2	36.7	36.7	36.9	36.9	36.9	36.9	37.1
33.2	34.4	35.5	35.9	36.2	36.7	36.7	36.9	36.9	36.9	36.9	37.1
33.6	34.6	35.6	36.3	36.4	37.0	37.0	37.1	37.1	37.1	37.1	37.3
33.6	34.6	35.6	36.3	36.4	37.0	37.0	37.1	37.1	37.1	37.1	37.3
35.6	37.0	38.2	38.8	38.9	39.6	39.6	39.6	39.6	39.6	39.6	39.9
35.9	37.2	38.4	39.0	39.2	39.8	39.8	39.9	39.9	39.9	39.9	40.2
39.3	40.5	41.7	42.3	42.5	43.2	43.2	43.5	43.5	43.5	43.5	43.8
39.3	41.0	42.2	42.8	43.1	43.7	43.7	44.1	44.1	44.1	44.1	44.3
40.5	41.7	42.9	43.5	43.8	44.4	44.4	44.8	44.8	44.8	44.8	45.0
44.3	45.5	46.8	47.5	47.8	48.5	48.5	48.9	48.9	48.9	48.9	49.1
49.4	50.1	51.2	52.1	52.4	53.1	53.1	53.2	53.5	53.5	53.6	53.8
51.9	53.5	54.3	55.0	55.2	56.9	56.9	57.4	57.4	57.4	57.4	57.5
55.3	56.7	58.0	59.2	59.5	60.3	60.3	60.9	60.9	60.9	60.9	61.0
52.7	52.8	53.8	55.1	55.5	56.2	56.2	56.7	56.7	56.7	56.7	56.9
53.	55.3	55.0	54.2	57.5	59.3	59.3	59.7	59.7	59.7	9.7	70.0
55.9	58.7	73.5	72.0	72.4	73.1	73.5	74.0	74.0	74.0	74.0	74.2
55.5	70.4	72.3	73.7	74.4	75.1	75.5	75.9	75.9	75.9	75.9	76.2
77.7	72.7	74.7	76.2	76.9	77.6	78.0	78.4	78.4	78.4	78.4	78.7
77.3	75.0	77.9	79.7	80.4	81.2	81.6	82.0	82.0	82.0	82.0	82.2
74.7	77.0	80.1	82.2	82.9	83.6	84.0	84.5	84.5	84.5	84.5	84.7
74.5	77.1	80.5	82.7	83.4	84.1	84.5	84.9	84.9	84.9	84.9	85.2
75.0	78.5	82.7	84.9	85.6	86.2	86.6	87.0	87.0	87.0	87.0	87.3
77.1	79.7	84.3	86.5	87.2	87.9	88.2	88.7	88.7	88.7	88.7	88.9
77.5	80.1	84.9	87.3	88.0	88.7	89.3	89.8	89.8	89.8	89.8	90.0
75.6	81.4	85.9	89.2	90.1	91.0	91.5	92.2	92.2	92.2	92.2	92.5
75.7	81.5	85.7	89.8	90.8	91.9	92.5	93.5	93.5	93.5	93.5	93.5
75.7	81.5	86.3	90.0	91.0	92.2	93.8	94.6	94.6	94.6	95.3	95.5
75.7	81.5	87.0	90.6	91.5	92.5	95.1	96.0	96.1	96.5	97.2	97.6
75.7	81.5	87.0	90.5	91.5	92.5	95.2	96.1	96.3	96.8	97.9	100.0
75.7	81.5	87.0	90.6	91.5	92.5	95.2	96.1	96.3	96.8	97.9	100.0

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF
FROM HOURLY OBSERVATI

STATION NUMBER: [illegible]   STATION NAME: UPPER HEYFORD RAF UK
LST TO UTC: - 0

VISIBILITY IN METERS

CEILING IN FEET	GE 11[illegible]	[illegible]	GE [illegible]	GE [illegible]	GE 4[illegible]	GE 40	GE 32	[illegible]	[illegible]
NO CEIL	1[illegible]	1[illegible]	22.2	23.3	25.3	26.1	[illegible]	27.4	27.7
GE [illegible]	21.1	[illegible].4	[illegible]	27.2	29.[illegible]	30.7	31.[illegible]	[illegible]	[illegible]
GE 1[illegible]	21.2	21.6	26.0	27.4	30.0	30.9	31.[illegible]	[illegible]	[illegible]
GE 1[illegible]	21.[illegible]	21.6	26.0	27.4	30.0	30.9	31.[illegible]	32.[illegible]	32.[illegible]
GE 14000	21.4	21.7	26.2	27.5	30.1	31.1	32.[illegible]	32.5	33.[illegible]
GE 1[illegible]	21.7	22.[illegible]	26.5	27.9	30.5	31.5	32.4	33.0	33.4
GE [illegible]	22.[illegible]	23.[illegible]	27.[illegible]	[illegible]	32.1	33.0	34.[illegible]	34.7	[illegible].1
GE [illegible]	[illegible]	[illegible]	[illegible].3	29.[illegible]	32.6	33.6	[illegible]	[illegible].2	[illegible]
GE [illegible]	[illegible].1	[illegible].6	29.3	31.[illegible]	34.7	35.[illegible]	[illegible]	37.7	[illegible]
GE 7[illegible]	[illegible].7	[illegible]	31.[illegible]	[illegible]	35.7	36.7	37.7	[illegible]	37.[illegible]
GE [illegible]	[illegible].1	[illegible]	31.[illegible]	[illegible]	36.4	37.4	[illegible]	[illegible]	[illegible]
GE [illegible]	[illegible]	[illegible]	34.1	[illegible]	3[illegible]	40.7	41.[illegible]	[illegible]	[illegible]
GE [illegible]	[illegible]	31.[illegible]	[illegible]	40.1	44.[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
GE [illegible]	[illegible]	[illegible]	41.7	[illegible].7	4[illegible].1	49.[illegible]	50.7	[illegible].1	[illegible]
GE [illegible]	[illegible]	[illegible]7.[illegible]	44.[illegible]	[illegible]	[illegible].7	52.1	53.4	[illegible]	[illegible].7
GE [illegible]	[illegible].4	[illegible]	4[illegible]	51.1	[illegible]	57.4	[illegible]	[illegible]	[illegible]
GE [illegible]	[illegible]	42.[illegible]	51.0	[illegible].3	[illegible]	[illegible].3	[illegible]	[illegible]	54.4
GE [illegible]	43.[illegible]	44.[illegible]	53.[illegible]	[illegible].3	52.3	53.[illegible]	[illegible]	[illegible]	[illegible].1
GE 1[illegible]	44.1	[illegible]	53.9	[illegible]	53.[illegible]	[illegible]4.7	[illegible]	[illegible].1	[illegible].1
GE 1[illegible]	[illegible]	[illegible]	[illegible]	[illegible].7	66.4	67.3	[illegible]	71.[illegible]	72.[illegible]
GE 12[illegible]	[illegible]	[illegible]	57.	[illegible]	[illegible]	70.1	72.[illegible]	75.[illegible]	7[illegible]
GE 1[illegible]	[illegible]	[illegible]	57.[illegible]	[illegible]1.7	70.[illegible]	7[illegible]	7[illegible]	[illegible]	[illegible]
GE [illegible]	[illegible]	[illegible]	[illegible].1	[illegible].1	70.7	73.1	7[illegible]	[illegible].3	[illegible]
GE [illegible]00	[illegible]	[illegible]	[illegible]	[illegible]2.1	72.3	74.[illegible]	7[illegible]	[illegible]1.[illegible]	[illegible]
GE 7[illegible]	[illegible]7.[illegible]	[illegible]7.[illegible]	59.2	63.7	73.3	75.0	[illegible].1	[illegible]3.3	[illegible]
GE [illegible]	[illegible]7.[illegible]	[illegible]7.[illegible]	[illegible]	63.9	73.5	76.5	[illegible]	[illegible].1	[illegible]
GE [illegible]	[illegible]7.[illegible]	[illegible].1	[illegible]	[illegible].5	74.[illegible]	77.5	[illegible]	[illegible]	[illegible]7.3
GE 4[illegible]	47.[illegible]	[illegible].1	[illegible]	[illegible]	74.[illegible]	77.9	[illegible]	[illegible]	[illegible]
GE 3[illegible]	47.[illegible]	4[illegible].1	[illegible]	64.5	74.[illegible]	7[illegible]	[illegible]	[illegible]	[illegible]7
GE 2[illegible]	[illegible]7.[illegible]	[illegible].1	[illegible]	[illegible]	74.[illegible]	7[illegible]	[illegible]2.7	[illegible]7.1	[illegible]
GE 1[illegible]	47.[illegible]	4[illegible].1	[illegible]	[illegible]	74.[illegible]	7[illegible].1	[illegible]2.7	[illegible]7.[illegible]	[illegible]
GE [illegible]	47.[illegible]	[illegible].1	[illegible]	64.5	74.9	7[illegible].1	[illegible]2.7	[illegible]7.2	[illegible]

TOTAL NUMBER OF OBSERVATIONS 67[illegible]1

CENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

[illegible]-YFORD R&F UK PERIOD OF RECORD: JUL 79 - JUN 8[illegible]
MONTH: FEB HOURS: ALL

VISIBILITY IN METERS										
GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
26.1	26.8	27.4	27.7	28.1	28.2	28.3	28.4	28.5	28.7	28.9
30.7	31.0	32.2	32.6	33.1	33.2	33.3	33.4	33.5	33.7	34.0
30.9	31.0	32.5	32.9	33.3	33.4	33.5	33.6	33.8	34.0	34.2
30.9	31.0	32.5	32.9	33.3	33.4	33.5	33.6	33.8	34.0	34.2
31.1	32.0	32.6	33.0	33.5	33.6	33.7	33.8	33.9	34.1	34.4
31.5	32.4	33.0	33.4	33.9	34.0	34.1	34.2	34.3	34.5	34.8
33.3	34.0	34.7	35.1	35.6	35.7	35.8	35.9	35.9	36.3	36.5
33.6	34.5	35.2	35.7	36.1	36.2	36.4	36.4	36.6	36.8	37.0
35.4	36.4	37.7	38.2	38.8	38.7	39.0	39.1	39.2	39.5	39.7
36.7	37.7	38.6	39.0	39.5	39.6	39.9	39.9	40.1	40.4	40.6
37.4	38.8	39.2	39.7	40.4	40.6	40.7	40.8	40.9	41.2	41.5
40.7	41.6	42.6	43.5	44.1	44.2	44.6	44.5	44.7	45.0	45.2
46.0	46.7	47.8	48.8	49.1	49.2	49.5	49.6	49.7	50.1	50.3
49.4	50.7	52.1	52.8	53.5	53.6	53.9	53.9	54.1	54.5	54.7
52.1	53.4	55.2	56.7	56.8	56.6	56.8	56.9	57.1	57.4	57.6
57.4	58.8	59.6	61.3	61.9	62.1	62.4	62.5	62.7	63.0	63.2
60.3	61.8	63.6	64.4	65.0	65.3	65.5	65.6	65.8	66.1	66.3
63.8	65.6	67.2	68.1	68.9	69.3	69.5	69.6	69.9	70.2	70.4
64.7	65.2	69.1	69.1	69.9	70.3	70.5	70.6	70.8	71.2	71.4
67.3	69.2	71.4	72.3	73.1	73.6	73.8	73.9	74.2	74.5	74.7
74.1	72.9	75.4	76.3	77.3	77.7	78.0	78.1	78.3	78.7	78.9
77.5	78.2	79.5	79.6	80.7	81.3	81.5	81.7	81.9	82.2	82.5
78.1	79.6	79.3	80.4	81.5	82.1	82.5	82.6	82.8	83.1	83.4
78.3	79.8	81.6	82.8	84.0	84.8	85.2	85.4	85.6	86.0	86.2
78.3	80.1	83.3	84.5	85.9	86.7	87.2	87.4	87.6	88.0	88.2
78.5	80.6	84.1	85.3	86.9	87.7	88.2	88.4	88.7	89.1	89.3
77.5	82.0	85.8	87.3	89.1	90.2	90.8	91.0	91.3	91.7	91.9
77.9	82.4	86.6	88.2	90.2	91.5	92.2	92.5	92.8	93.1	93.4
78.0	82.6	86.9	88.7	90.9	92.7	93.4	93.8	94.2	94.3	95.2
78.0	82.7	87.1	89.0	91.3	93.5	94.4	94.9	95.5	96.4	97.1
78.1	82.7	87.2	89.0	91.3	93.6	94.5	95.1	96.1	97.2	99.7
78.1	82.7	87.2	88.9	91.3	93.6	94.5	95.1	96.1	97.2	100.0

OPERATING LOCATION "A"   PERCENTAGE FREQUENCY OF OCCURRENC
USAFETAC, ASHEVILLE NC   [illegible] JULY [illegible]

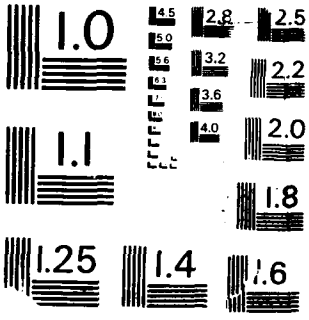
STATION NUMBER: [illegible]   STATION NAME: [illegible]
LST TO UTC: - [illegible]

CEILING IN FEET	VISIBILITY IN METERS								
	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible] IL	[illegible]	31.1	33.	[illegible]	[illegible]	[illegible]	37.4	37.[illegible]	[illegible].1
[illegible]	[illegible]	[illegible]	[illegible]	37.2	39.2	[illegible]	[illegible]	41.1	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]7.2	39.2	[illegible]	[illegible]	41.1	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	37.2	39.2	[illegible]	[illegible]	41.1	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	37.[illegible]	[illegible]	39.7	[illegible]	[illegible]	41.7
[illegible]	[illegible]	[illegible]	[illegible]	[illegible].1	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	41.[illegible]	[illegible]	43.1	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible].1	[illegible]
[illegible]	[illegible]	[illegible].1	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible] 7[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]7.1	[illegible]7.[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	47.1	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible].1	[illegible]	[illegible]	[illegible]	[illegible]	[illegible].7	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]3.1	[illegible]	[illegible]	[illegible].1	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible].1	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible].1	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible].1	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	37.1	[illegible]	[illegible]3.3	[illegible]	[illegible].4	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]1.[illegible]	[illegible]	[illegible].1	[illegible].7	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	71.1	71.7	[illegible]	[illegible]
[illegible]	[illegible].7	[illegible]	[illegible]	[illegible]	[illegible]	71.4	[illegible]	[illegible]	[illegible].1
[illegible] 1[illegible]	[illegible].1	[illegible]	[illegible]	[illegible]	74.[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible] 1[illegible]	[illegible]	1.[illegible]	[illegible]	71.[illegible]	[illegible]	77.3	[illegible]	[illegible]	[illegible]
[illegible] 1[illegible]	[illegible]	[illegible]	[illegible]	73.4	[illegible]	[illegible]	1.7	[illegible]	[illegible]
[illegible]	[illegible]	[illegible].7	71.4	74.4	[illegible]	[illegible].7	[illegible].1	[illegible].7	[illegible]
[illegible]	[illegible]	[illegible]	73.1	75.4	[illegible]	[illegible]	[illegible]	[illegible]	[illegible].1
[illegible] 7[illegible]	[illegible]	[illegible]	73.4	77.[illegible]	[illegible].7	[illegible]	[illegible].1	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	74.[illegible]	77.4	[illegible]	[illegible]	[illegible]	[illegible].7	[illegible]
[illegible]	[illegible]	[illegible].7	75.2	[illegible]	[illegible].7	[illegible].7	[illegible]	[illegible]	[illegible].1
[illegible]	[illegible]	[illegible].7	75.3	78.3	[illegible]	87.1	[illegible]	[illegible]	[illegible]
[illegible]	[illegible].7	[illegible].7	75.3	[illegible]	[illegible]	87.1	[illegible]	[illegible]	[illegible]
[illegible]	[illegible].7	[illegible].7	75.3	[illegible]	[illegible].3	87.1	[illegible]	93.1	[illegible]
[illegible] 1[illegible]	[illegible].7	[illegible].7	75.3	79.[illegible]	[illegible]	87.1	[illegible]	93.1	[illegible]
[illegible]	[illegible].7	[illegible].7	75.3	79.[illegible]	[illegible]	87.1	[illegible]	93.1	[illegible]

TOTAL NUMBER OF OBSERVATIONS [illegible]

AD-A211 167 SURFACE OBSERVATION CLIMATIC SUMMARIES (SOCS) FOR UPPER HEYFORD RAF (UNITED KINGDOM)(U) AIR FORCE ENVIRONMENTAL TECHNICAL APPLICATIONS CENTER SCOTT A.. JUN 89 5/9

UNCLASSIFIED USAFETAC/DS-89/206 F/G 4/2 NL


1.0
4.5
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3.6
4.0
2.0
1.1
1.8
1.25
1.4
1.6

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION: HEYFORD RAF UK PERIOD OF RECORD: JUL 75 - JUN 88
MONTH: MAR HOURS: 00-02

VISIBILITY IN METERS										
36	35	31	26	25	25	25	25	25	25	25
40	32	24	20	16	12	10	08	06	04	00
36.5	37.4	37.9	38.1	38.2	38.2	38.2	38.3	38.3	38.3	38.3
39.5	40.5	41.1	41.4	42.0	42.0	42.0	42.1	42.1	42.1	42.1
39.5	40.5	41.1	41.4	42.0	42.0	42.0	42.1	42.1	42.1	42.1
39.5	40.5	41.1	41.4	42.0	42.0	42.0	42.1	42.1	42.1	42.1
39.7	40.5	41.3	41.7	42.2	42.2	42.2	42.3	42.3	42.3	42.3
40.4	41.4	42.0	42.3	42.8	42.8	42.9	42.9	42.9	42.9	42.9
42.0	43.1	43.5	43.9	44.5	44.5	44.5	44.5	44.5	44.5	44.5
42.0	43.5	44.1	44.5	45.0	45.0	45.0	45.1	45.1	45.1	45.1
45.3	46.4	46.9	47.3	47.8	47.8	47.8	47.9	47.9	47.9	47.9
46.0	47.1	47.7	48.0	48.5	48.5	48.5	48.7	48.7	48.7	48.7
47.1	48.3	48.9	49.2	49.7	49.7	49.7	49.8	49.8	49.8	49.8
50.1	52.0	52.7	53.1	53.6	53.6	53.8	54.0	54.0	54.0	54.0
50.5	53.1	53.4	53.7	60.5	60.5	60.7	60.9	60.9	60.9	60.9
59.8	60.9	62.2	62.6	63.4	63.4	63.6	63.8	63.8	63.8	63.8
61.5	63.1	64.6	64.9	65.7	65.7	65.9	66.1	66.1	66.1	66.1
63.8	65.4	66.7	67.3	68.0	68.0	68.2	68.5	68.5	68.5	68.5
66.1	67.7	69.0	69.3	70.5	70.5	70.7	70.9	70.9	70.9	70.9
70.1	71.7	73.0	73.3	74.5	74.5	74.7	75.0	75.0	75.0	75.0
71.4	73.0	74.3	75.1	75.9	75.9	76.1	76.3	76.3	76.3	76.3
75.0	76.9	78.3	79.2	80.3	80.3	80.5	80.7	80.7	80.7	80.7
77.3	79.2	80.6	81.6	82.9	82.9	83.1	83.3	83.3	83.3	83.3
79.5	81.7	83.3	84.3	85.7	85.7	85.9	86.1	86.1	86.1	86.1
80.7	83.1	84.7	85.7	87.1	87.1	87.3	87.5	87.5	87.5	87.5
82.2	85.3	87.0	88.1	89.5	89.5	89.7	89.9	89.9	89.9	89.9
83.5	86.1	88.3	89.6	91.0	91.0	91.2	91.4	91.4	91.4	91.4
84.9	87.5	89.7	91.3	92.7	92.7	92.9	93.1	93.1	93.1	93.1
87.0	89.9	92.2	94.1	95.6	95.6	95.8	96.0	96.0	96.0	96.0
87.1	90.0	92.5	94.5	96.1	96.1	96.3	96.6	96.6	96.6	96.6
87.1	90.0	92.8	95.0	96.8	97.0	97.2	97.4	97.5	97.7	97.7
87.1	90.0	93.1	95.4	97.1	97.4	97.7	98.0	98.4	98.9	98.9
87.1	90.0	93.1	95.5	97.2	97.5	97.8	98.1	98.6	99.7	99.9
87.1	90.0	93.1	95.5	97.2	97.5	97.8	98.1	98.7	99.8	100.0

OPERATING LOCATION NAME PERCENTAGE FREQUENCY OF OCCURRENCE OF C
MONTHLY, ASHEVILLE NC EARLY MORNING OBSERVATIONS

STATION NUMBER: 13893 STATION NAME: [illegible] [illegible]
LST TIME: - 0 [illegible]

CEILING IN FEET	11	10	09	08	07	06	05	04	03	02
	VISIBILITY IN MILES									
22 CEIL	24.1	24.1	27.8	28.2	29.9	30.5	31.4	32.2	32.9	33.9
21 20000	27.	28.1	33.5	38.4	39.9	32.9	34.1	34.5	34.9	34.
20 18000	27.	28.3	34.5	38.4	39.2	32.9	34.1	34.	34.9	34.4
19 16000	27.1	28.3	34.5	38.4	39.2	32.9	34.1	34.	34.9	34.
18 14000	27.9	28.5	39.7	39.9	39.8	33.0	34.9	34.9	34.5	35.1
17 12000	28.2	28.7	40.5	39.9	32.5	33.8	34.5	35.3	35.9	35.4
16 10000	28.7	29.5	41.5	41.5	33.7	34.4	35.7	35.5	35.5	35.5
15 [illegible]	27.9	37.8	41.2	42.0	34.2	34.8	35.2	37.0	37.1	37.1
14 [illegible]	33.4	33.4	43.0	34.7	37.2	37.7	38.1	34.3	34.3	33.4
13 7000	39.7	39.0	34.5	34.5	37.1	37.1	39.1	39.9	39.4	4 .1
12 6000	39.9	41.2	39.2	36.1	39.4	39.1	40.6	41.2	41.2	41.1
11 5000	34.9	34.5	43.0	40.2	42.9	43.7	44.9	45.7	45.7	45.1
10 4000	37.1	37.4	42.5	43.5	47.1	47.5	49.7	50.5	50.5	51.1
09 3500	44.4	41.1	45.7	44.0	51.7	52.5	54.4	55.3	55.4	5 .3
08 3000	41.9	42.9	46.9	49.5	53.2	54.1	56.9	56.9	57.5	57.1
07 2500	43.1	44.4	51.4	52.5	55.3	57.7	59.7	59.5	59.5	61.
06 2000	47.9	47.6	55.4	55.7	60.1	61.7	63.1	63.5	64.7	65.1
05 1500	49.1	53.1	57.3	59.4	63.9	64.9	67.2	67.1	5 .3	68.
04 1000	51.9	53.4	55.4	60.9	64.5	65.7	66.9	67.9	68.9	69.1
03 800	53.4	54.1	62.4	64.1	68.3	70.4	72.9	73.1	74.1	74.7
02 1200	55.3	55.9	64.1	66.5	71.3	73.1	75.9	75.9	77.2	77.1
01 1000	55.2	57.7	65.3	68.3	73.1	75.2	76.2	77.5	79.9	81.5
00 900	56.4	57.5	67.1	69.9	73.9	75.9	78.4	80.2	81.5	81.1
39 800	57.1	57.7	67.5	70.1	75.2	77.2	80.2	81.5	81.4	82.1
38 700	57.5	58.8	68.5	71.9	76.2	78.3	81.5	83.1	83.	84.5
35 600	58.5	59.1	69.7	72.2	78.0	80.1	83.5	85.2	85.3	87.1
30 [illegible]	[illegible]	59.5	70.5	73.9	79.2	82.2	85.4	87.4	88.4	89.3
27 400	59.4	59.5	71.1	73.7	80.0	82.9	86.7	88.1	91.0	92.1
26 300	59.9	59.5	71.1	73.9	80.2	83.2	87.1	89.5	91.7	92.3
25 200	59.9	59.5	71.1	73.9	80.3	83.3	87.2	89.7	92.0	93.1
24 100	59.9	59.5	71.1	73.9	80.3	83.3	87.2	89.7	92.0	94.1
23 [illegible]	59.9	59.5	71.1	73.9	80.3	83.3	87.2	89.7	92.0	94.1

TOTAL NUMBER OF OBSERVATIONS 930

PERCENT FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

[illegible] RAF UK PERIOD OF RECORD: JUL 73 - JUN 83
MONTH: MAR HOURS: 03-05

CEILING IN METERS	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
[illegible]	31.4	32.2	32.2	32.2	32.5	32.5	32.6	32.8	32.9	33.4
[illegible]	34.1	34.8	34.8	34.8	35.3	35.3	35.4	35.5	35.7	36.2
[illegible]	34.1	34.8	34.8	34.8	35.3	35.3	35.4	35.6	35.7	36.2
[illegible]	34.1	34.8	34.8	34.8	35.3	35.3	35.4	35.6	35.7	36.2
[illegible]	34.2	34.9	34.9	35.1	35.4	35.4	35.5	35.7	35.8	36.3
[illegible]	34.5	35.3	35.3	35.4	35.7	35.7	35.8	36.0	36.1	36.7
[illegible]	35.7	36.5	36.5	36.6	36.9	36.9	37.0	37.2	37.3	37.8
[illegible]	36.2	37.0	37.0	37.1	37.4	37.4	37.5	37.7	37.8	38.4
[illegible]	38.0	39.3	39.3	39.9	40.2	40.2	40.3	40.5	40.6	41.2
[illegible]	38.1	39.9	39.9	40.1	40.4	40.4	40.5	40.8	40.9	41.4
[illegible]	40.4	41.2	41.2	41.6	41.6	41.8	41.9	42.2	42.3	42.8
[illegible]	44.9	45.7	45.7	46.1	46.7	46.7	46.8	47.0	47.1	48.0
[illegible]	47.7	50.5	50.5	51.1	51.6	51.6	51.7	51.9	52.0	52.9
[illegible]	54.4	55.3	55.4	55.9	56.5	56.5	56.6	56.9	57.0	57.8
[illegible]	55.0	56.9	57.0	57.6	58.1	58.1	58.2	58.5	58.6	59.5
[illegible]	59.7	60.5	60.6	61.2	61.7	61.7	61.8	62.2	62.3	63.1
[illegible]	63.8	64.6	64.7	65.3	65.6	65.8	65.9	66.2	66.3	67.2
[illegible]	67.2	68.1	68.3	68.8	69.4	69.4	69.5	69.8	69.9	70.8
[illegible]	68.0	69.8	69.9	69.6	70.1	70.1	70.2	70.5	70.6	71.5
[illegible]	72.9	73.6	74.1	74.7	75.3	75.3	75.4	75.7	75.8	76.7
[illegible]	75.8	76.9	77.2	77.8	78.4	78.4	78.5	78.8	78.9	79.8
[illegible]	78.2	79.5	79.9	80.6	81.1	81.1	81.2	81.5	81.6	82.5
[illegible]	78.9	80.2	80.6	81.3	81.8	81.8	81.9	82.3	82.4	83.2
[illegible]	80.2	81.5	81.9	82.6	83.1	83.1	83.2	83.5	83.7	84.5
[illegible]	81.6	83.1	83.8	84.5	85.1	85.2	85.3	85.6	85.7	86.6
[illegible]	83.5	85.2	85.3	87.1	87.6	87.7	87.8	88.2	88.3	89.1
[illegible]	85.6	87.4	89.4	90.3	91.0	91.2	91.3	91.7	91.8	92.7
[illegible]	86.7	88.1	91.0	92.0	92.9	93.1	93.2	93.7	93.8	94.6
[illegible]	87.1	89.6	91.7	92.9	93.8	94.0	94.1	94.9	95.1	96.0
[illegible]	87.2	89.7	92.0	93.9	94.7	95.3	95.5	96.3	96.5	98.2
[illegible]	87.2	89.7	92.0	94.1	95.1	95.9	96.1	97.1	97.7	100.0
[illegible]	87.2	89.7	92.0	94.1	95.1	95.9	96.1	97.1	97.7	100.0

OPERATING LOCATION MAP
ISSUING, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF C
[illegible] OBSERVATIONS

STATION NUMBER: [illegible] STATION NAME: UPPER HAYSWOOD [illegible]
LST TO UTC: - 6

CEILING IN FEET	10	8	6	5	4	3	2	1	1	1	1
		VISIBILITY IN MILES									
	1	1	1	1	1	1	1	1	1	1	1
	10	9	8	7	6	5	4	3	2	1	0
[illegible]	15.7	[illegible]	[illegible]	19.3	19.2	21.2	21.4	21.9	22.2	22.6	23.[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	22.9	21.3	25.4	25.7	25.5	25.7	27.1	27.[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	22.9	22.3	25.4	25.7	25.5	25.7	27.2	27.7
[illegible]	[illegible]	[illegible]	[illegible]	22.9	22.5	25.4	25.7	25.5	25.7	27.2	27.7
[illegible]	[illegible]	[illegible]	[illegible]	22.[illegible]	22.[illegible]	25.5	25.4	25.5	25.9	27.4	27.[illegible]
[illegible]	[illegible]	15.7	[illegible]	22.[illegible]	23.9	25.3	25.3	27.1	27.3	27.[illegible]	29.[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	24.9	25.[illegible]	23.5	2[illegible]	2[illegible]	[illegible]	3[illegible]	31.[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	25.4	26.3	29.1	29.5	3[illegible]	3[illegible]	31.4	32.
[illegible]	[illegible]	[illegible]	[illegible]	27.9	29.4	31.3	31.[illegible]	32.3	33.2	33.4	34.
[illegible]	[illegible]	[illegible]	[illegible]	27.[illegible]	29.9	32.2	32.5	33.5	33.9	34.5	35.[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	29.1	29.2	32.4	32.7	33.[illegible]	34.1	34.[illegible]	35.
[illegible]	[illegible]	[illegible]	[illegible]	31.4	32.3	35.6	37.7	[illegible]	37.5	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	35.4	35.9	40.[illegible]	41.2	42.4	42.[illegible]	43.9	44.[illegible]
[illegible]	[illegible]	31.7	31.9	35.3	39.9	44.7	45.3	45.7	47.2	[illegible]	49.[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	39.7	41.4	45.5	47.3	48.4	[illegible]	53.1	51.[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	43.5	45.7	50.5	51.4	[illegible]	73.3	54.[illegible]	[illegible]
[illegible]	[illegible]	37.	37.7	45.4	47.3	53.2	54.[illegible]	[illegible]	[illegible]	57.3	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	48.3	50.5	57.9	5[illegible]	[illegible]	[illegible]	61.7	[illegible]
[illegible]	[illegible]	41.[illegible]	[illegible]	49.1	51.4	5[illegible]	[illegible]	[illegible]	61.5	[illegible]	64.1
[illegible]	[illegible]	[illegible]	[illegible]	51.7	[illegible]	51.5	53.1	54.7	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	52.7	[illegible]	53.9	[illegible]	57.9	[illegible]	69.1	71.[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	53.4	55.9	55.3	57.1	[illegible]	73.9	71.2	73.1
[illegible]	[illegible]	44.[illegible]	[illegible]	54.5	57.5	65.[illegible]	58.7	71.5	71.9	73.3	75.3
[illegible]	[illegible]	44.4	[illegible]	54.9	5[illegible].1	63.1	70.9	71.9	73.3	74.5	76.4
[illegible]	7[illegible]	44.[illegible]	[illegible]	55.9	59.1	63.6	71.7	73.7	75.3	76.7	77.1
[illegible]	[illegible]	45.5	[illegible]	56.[illegible]	60.9	71.9	73.1	75.2	76.8	7[illegible]	[illegible]
[illegible]	[illegible]	45.2	[illegible]	53.2	61.5	73.7	76.2	73.4	[illegible]	82.4	[illegible]
[illegible]	4[illegible]	45.2	[illegible]	53.2	61.5	73.9	76.3	75.5	[illegible]	83.7	87.9
[illegible]	3[illegible]	45.2	[illegible]	53.2	61.5	73.9	76.5	75.7	82.2	84.4	[illegible]
[illegible]	2[illegible]	45.2	[illegible]	53.2	61.5	73.9	76.5	75.7	82.2	84.5	89.4
[illegible]	1[illegible]	45.2	[illegible]	53.2	61.5	73.9	76.5	75.7	82.2	84.5	89.5
[illegible]	[illegible]	45.2	[illegible]	53.2	61.5	73.9	76.5	75.7	82.2	84.5	89.5

TOTAL NUMBER OF OBSERVATIONS 930

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

[illegible] HAYWARD NAF JK PERIOD OF RECORD: JUL 7[illegible] - JUN 8[illegible]
MONTH: MAR HOURS: 06-08

VISIBILITY IN METERS										
[illegible]	32	27	[illegible]	18	12	10	08	06	04	00
21.4	21.9	22.2	22.6	23.0	23.5	23.7	24.2	24.3	24.7	25.5
25.7	26.5	26.7	27.1	27.6	28.2	28.4	28.9	29.0	29.5	30.2
25.7	26.5	26.7	27.2	27.7	28.3	28.5	29.0	29.1	29.6	30.3
25.7	26.5	26.7	27.2	27.7	28.3	28.5	29.0	29.1	29.6	30.3
25.9	26.6	26.9	27.3	27.9	28.4	28.6	29.1	29.2	29.7	30.4
26.3	27.1	27.3	27.8	28.4	28.9	29.1	29.7	29.8	30.2	31.0
29.9	30.7	30.9	30.9	31.5	32.2	32.4	32.9	33.0	33.4	34.2
29.9	30.4	30.6	31.4	32.0	32.7	32.9	33.4	33.5	34.0	34.7
31.[illegible]	32.7	33.2	33.9	34.5	35.2	35.4	35.9	35.9	36.5	37.2
32.5	33.5	33.9	34.5	35.2	35.8	36.0	36.6	36.7	37.1	37.9
32.7	33.[illegible]	34.1	34.8	35.5	36.1	36.3	36.9	37.0	37.4	38.2
37.[illegible]	38.1	38.5	39.5	40.2	40.9	41.2	41.7	41.5	42.3	43.3
41.2	42.4	42.8	43.9	44.6	45.3	45.6	46.1	46.3	46.9	48.0
46.3	46.7	47.2	48.4	49.2	49.9	50.2	50.9	51.0	51.5	52.5
47.5	48.4	48.9	50.1	51.1	51.7	52.0	52.6	52.8	53.3	54.4
51.4	52.4	53.3	54.5	55.5	56.1	56.5	57.0	57.2	57.7	58.8
54.[illegible]	55.5	56.1	57.3	58.4	59.0	59.4	59.9	60.1	60.5	61.7
58.2	59.3	60.5	61.7	63.0	63.8	64.1	64.6	64.5	65.4	66.5
59.2	60.9	61.6	62.3	64.1	64.8	65.2	65.7	65.9	66.5	67.5
63.1	64.7	65.5	66.[illegible]	68.1	68.5	69.2	69.9	70.1	70.5	71.7
65.4	67.0	68.0	69.1	71.0	71.7	72.2	72.8	73.0	73.5	74.5
67.1	68.9	70.0	71.2	73.1	74.0	74.4	75.1	75.3	75.8	76.9
68.7	70.5	71.9	73.2	75.3	76.1	76.6	77.2	77.4	78.0	79.0
70.0	71.9	73.3	74.6	76.9	77.9	78.3	78.9	79.1	79.7	80.8
71.7	73.7	75.3	76.7	79.1	80.5	81.0	81.6	81.9	82.4	83.4
73.1	75.2	76.8	78.6	81.4	83.0	83.4	84.3	84.5	85.1	86.1
75.2	77.4	80.3	82.3	85.8	87.8	88.3	89.2	89.5	90.0	91.1
76.3	78.6	81.5	83.7	87.0	89.2	89.8	90.8	91.2	91.9	93.0
76.5	78.7	82.2	84.4	88.6	91.4	92.0	93.1	93.8	94.6	96.1
76.5	78.7	82.2	84.6	89.4	92.2	92.9	94.1	95.1	96.3	98.6
76.5	78.7	82.2	84.6	89.5	92.4	93.1	94.3	95.6	97.2	100.0
76.5	78.7	82.2	84.6	89.5	92.4	93.1	94.3	95.6	97.2	100.0

OPERATING LOCATION MAH
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF
FROM HOURLY OBSERVATI

STATION NUMBER: [illegible]
STATION NAME: [illegible]
LST TO UTC: - 0

CEILING IN FEET	VISIBILITY IN METERS GE 112	GE [illegible]	GE [illegible]	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 1
NO CEIL	12.9	13.7	14.[illegible]	15.1	16.6	17.4	18.0	19.4	19.4	1[illegible]
GE 20000	17.0	17.6	19.4	20.2	22.0	22.6	23.4	24.3	24.3	[illegible]
GE 18000	17.6	18.6	19.7	20.3	22.6	23.4	24.1	25.1	25.1	[illegible]
GE 16000	17.7	18.1	19.7	20.9	22.7	23.5	24.0	25.2	25.2	[illegible]
GE 14000	17.9	18.2	20.0	21.0	22.9	23.7	24.5	25.5	25.5	[illegible]
GE 12000	18.0	18.9	20.1	21.1	22.9	23.4	24.4	25.4	25.4	[illegible]
GE 10000	19.[illegible]	1[illegible]	21.3	22.5	24.0	25.0	26.0	27.4	27.4	[illegible]
GE 9000	20.[illegible]	20.4	22.4	23.3	25.7	26.5	27.2	28.2	28.[illegible]	[illegible]
GE 8000	22.2	23.[illegible]	24.7	25.6	27.9	29.0	31.0	31.5	32.[illegible]	[illegible]
GE 7000	22.5	23.[illegible]	25.[illegible]	27.4	30.0	31.0	32.0	33.2	33.[illegible]	[illegible]
GE 6000	22.7	24.[illegible]	25.1	27.6	30.2	31.2	32.3	33.4	33.	[illegible]
GE 5000	26.	2[illegible]	29.[illegible]	30.5	34.1	35.1	35.1	37.0	37.4	[illegible]
GE 4500	27.	2[illegible]	32.4	34.1	37.6	38.6	39.7	40.[illegible]	41.[illegible]	41.
GE 4000	4[illegible]	3[illegible]	35.4	37.5	41.4	42.5	43.7	44.	44.[illegible]	[illegible]
GE 3500	33.[illegible]	34.[illegible]	39.[illegible]	42.5	46.1	47.2	48.4	49.5	49.7	[illegible]
GE 3000	37.[illegible]	[illegible]	40.[illegible]	45.7	52.[illegible]	54.1	55.[illegible]	56.	57.[illegible]	57.[illegible]
GE 2500	40.[illegible]	42.3	43.[illegible]	52.5	57.0	58.4	60.[illegible]	61.2	[illegible]	[illegible]
GE 2000	44.7	4[illegible].7	[illegible]	57.0	62.4	64.1	[illegible]	[illegible]	[illegible]	[illegible]
GE 1800	4[illegible]	4[illegible]	5[illegible]	5[illegible]	63.5	65.3	66.[illegible]	[illegible]	[illegible]	[illegible]
GE 1500	4[illegible]	[illegible]	57.[illegible]	61.1	67.[illegible]	69.6	71.1	73.0	73.3	74.1
GE 1200	49.6	[illegible]	60.3	64.2	71.2	72.9	74.5	76.7	77.2	7[illegible]
GE 1000	50.1	51.4	61.3	65.7	73.5	75.7	77.5	80.[illegible]	[illegible]	81.[illegible]
GE 900	50.3	51.6	62.0	66.1	74.3	76.5	78.3	81.0	81.7	[illegible]
GE 800	50.9	52.2	63.[illegible]	67.4	75.9	78.3	80.1	83.0	84.0	8[illegible]
GE 700	51.4	52.7	63.7	68.1	76.9	79.4	81.4	84.[illegible]	85.5	87.[illegible]
GE 600	51.5	52.[illegible]	64.0	68.5	78.0	80.6	82.[illegible]	85.0	87.3	8[illegible]
GE 500	51.7	53.0	64.3	69.3	78.9	82.2	85.4	89.4	90.[illegible]	92.[illegible]
GE 400	51.7	53.0	64.5	69.1	79.4	82.7	85.2	90.2	92.2	94.
GE 300	51.7	53.0	64.5	69.1	79.4	82.7	86.2	90.3	92.3	95.3
GE 200	51.7	53.0	64.5	69.1	79.4	82.7	86.2	90.3	92.3	95.3
GE 100	51.7	53.0	64.5	69.1	79.4	82.7	86.2	90.3	92.3	95.3
GE 000	51.7	53.0	64.5	69.1	79.4	82.7	86.2	90.3	92.3	95.3

TOTAL NUMBER OF OBSERVATIONS 930

TABLE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

POLYSTOW RAF UK PERIOD OF RECORD: JUL 7[illegible] - JUN 8[illegible]
MONTH: MAR HOURS: 09-11

VISIBILITY IN METERS										
[illegible]	35	51	[illegible]	35	52	68	[illegible]	35	35	68
[illegible]	32	24	20	16	12	10	[illegible]	06	04	00
17.4	1[illegible].0	18.4	1[illegible].4	1[illegible].5	1[illegible].9	18.9	19.1	19.1	19.4	19.6
[illegible]	23.4	[illegible]	24.3	24.[illegible]	24.7	24.[illegible]	25.1	25.1	25.3	25.5
[illegible]	24.1	25.1	25.1	25.3	25.5	25.5	25.[illegible]	25.[illegible]	25.[illegible]	25.2
[illegible]	24.[illegible]	25.2	25.2	25.4	25.5	25.7	25.9	25.9	26.1	26.3
[illegible].7	24.3	25.3	25.3	25.5	25.7	25.8	26.0	26.0	26.2	26.5
[illegible]	24.4	25.4	25.4	25.5	25.9	25.9	26.1	26.1	26.3	26.6
[illegible]	25.5	27.4	27.5	27.7	28.0	28.1	28.3	28.3	28.5	28.7
[illegible]	27.2	[illegible]	[illegible]	28.5	28.7	28.8	29.0	29.0	29.2	29.5
[illegible]	31.2	31.[illegible]	32.0	32.3	32.5	32.5	32.8	32.[illegible]	33.0	33.2
31.0	32.2	33.2	33.3	33.5	33.8	33.9	34.1	34.1	34.3	34.5
31.2	32.3	33.4	33.5	33.[illegible]	34.0	34.1	34.3	34.3	34.5	34.7
[illegible].1	35.1	37.3	37.4	38.0	38.2	38.3	38.5	38.5	38.7	38.9
[illegible]	38.2	40.3	41.0	41.[illegible]	41.7	41.8	42.2	42.2	42.4	42.5
[illegible]	43.7	44.5	44.9	45.0	45.9	46.0	46.3	46.3	46.5	46.5
47.2	48.4	49.5	49.7	50.4	50.5	50.9	51.2	51.2	51.4	51.6
[illegible].1	55.5	56.8	57.0	57.7	58.1	58.2	58.5	58.5	58.7	58.9
[illegible]	59.9	61.3	61.5	62.3	62.5	62.7	63.0	63.0	63.2	63.4
[illegible].1	65.5	67.2	67.5	68.3	68.5	68.7	69.0	69.0	69.2	69.5
[illegible].3	66.[illegible]	68.4	68.7	69.5	69.8	69.9	70.2	70.2	70.4	70.5
[illegible].5	71.1	73.0	73.3	74.1	74.4	74.5	74.8	74.9	75.3	75.5
[illegible].9	74.5	76.7	77.2	78.0	78.3	78.4	78.7	78.8	79.1	79.4
[illegible].7	77.5	79.9	80.5	81.5	82.0	82.2	82.6	82.7	83.0	83.2
[illegible]	7[illegible].3	81.0	81.7	82.8	83.2	83.3	83.5	83.9	84.2	84.4
[illegible].3	80.1	83.0	84.0	85.2	85.7	85.8	86.2	86.3	86.7	86.9
[illegible].4	81.4	84.5	85.5	87.2	88.0	88.1	88.5	88.6	88.9	89.1
[illegible]	82.8	86.0	87.3	89.4	90.2	90.3	90.8	90.9	91.2	91.4
[illegible].2	85.4	89.4	90.9	92.9	94.1	94.2	94.6	94.7	95.1	95.3
[illegible].7	85.2	90.2	92.2	94.9	96.1	96.5	96.9	97.3	97.3	97.5
[illegible].7	86.2	90.3	92.3	95.3	97.1	97.5	98.4	98.6	99.0	99.4
[illegible].7	86.2	90.3	92.3	95.3	97.3	97.7	98.7	98.9	99.4	99.9
[illegible].7	86.2	90.3	92.3	95.3	97.3	97.7	98.7	99.0	99.5	100.0
[illegible].7	86.2	90.3	92.3	95.3	97.3	97.7	98.7	99.0	99.5	100.0

OPERATING LOCATION "A"
HEATHFIELD, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF
FROM HOURLY OBSERVATIONS

STATION NUMBER: [illegible]   STATION NAME: UPPER HEYFORD RAF UK
LST TO UTC: - 0

CEILING IN FEET	VISIBILITY IN METERS									
	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
NO CEIL	[illegible]	12.4	13.2	13.6	14.2	14.5	14.7	15.1	15.1	15.
GE 20000	17.	[illegible]	19.1	19.5	[illegible]	21.3	[illegible]	[illegible]	[illegible]	[illegible]
GE 18000	[illegible]	[illegible]	[illegible]	20.1	21.2	[illegible]	[illegible]	22.7	22.7	22.
GE 16000	[illegible]	[illegible]	[illegible]	20.1	21.2	[illegible]	[illegible]	22.7	22.7	22.
GE 14000	[illegible]	[illegible]	[illegible]	[illegible]	21.4	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
GE 12000	[illegible]	[illegible]	[illegible]	[illegible]	21.7	[illegible]	22.	[illegible]	[illegible]	[illegible]
GE 10000	[illegible]	[illegible]	[illegible]	[illegible]	23.2	24.2	[illegible]	[illegible]	[illegible]	[illegible]
GE 9000	[illegible]	[illegible]	[illegible]	[illegible]	23.9	[illegible]	25.2	[illegible]	[illegible]	[illegible]
GE 8000	[illegible]	[illegible]	[illegible]	[illegible]	26.1	27.2	[illegible]	[illegible]	[illegible]	[illegible]
GE 7000	[illegible]	[illegible]	[illegible]	[illegible]	27.4	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
GE 6000	[illegible]	[illegible]	[illegible]	[illegible]	27.7	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
GE 5000	[illegible]	[illegible]	[illegible]	[illegible]	31.2	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
GE 4500	[illegible]	[illegible]	[illegible]	35.2	35.1	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
GE 4000	[illegible]	[illegible]	[illegible]	37.7	40.1	41.5	41.7	[illegible]	[illegible]	[illegible]
GE 3500	[illegible]	[illegible]	[illegible]	45.7	49.1	[illegible]	51.0	[illegible]	[illegible]	[illegible]
GE 3000	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
GE 2500	[illegible]	[illegible]	[illegible]	[illegible]	67.1	[illegible]	[illegible]	71.1	71.3	71.
GE 2000	[illegible]	[illegible]	[illegible]	67.7	71.5	73.4	74.4	[illegible]	[illegible]	[illegible]
GE 1800	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	77.8	77.
GE 1500	[illegible]	[illegible]	71.3	73.9	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
GE 1200	[illegible]	[illegible]	[illegible]	77.1	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
GE 1000	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
GE 900	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
GE 800	[illegible]	[illegible]	[illegible]	79.7	[illegible]	[illegible]	91.6	93.1	[illegible]	[illegible]
GE 700	[illegible]	[illegible]	76.7	[illegible]	[illegible]	[illegible]	93.1	94.7	95.1	[illegible]
GE 600	64.0	[illegible]	[illegible]	[illegible]	[illegible]	91.0	[illegible]	95.2	[illegible]	[illegible]
GE 500	[illegible]	[illegible]	77.3	81.2	[illegible]	91.7	[illegible]	95.3	[illegible]	[illegible]
GE 400	64.2	65.7	77.5	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	97.3	[illegible]
GE 300	64.2	65.7	77.6	81.5	[illegible]	92.0	[illegible]	95.9	[illegible]	[illegible]
GE 200	64.2	65.7	77.6	[illegible]	89.5	92.0	[illegible]	[illegible]	97.6	[illegible]
GE 100	64.2	65.7	77.6	81.5	89.5	92.0	[illegible]	[illegible]	[illegible]	[illegible]
GE 000	64.2	65.7	77.6	[illegible]	[illegible]	92.0	[illegible]	95.9	97.6	[illegible]

TOTAL NUMBER OF OBSERVATIONS 93[illegible]

FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

[illegible] RAF UK PERIOD OF RECORD: JUL 76 - JUN 86
MONTH: MAR HOURS: 12-14

CEILING IN METERS									
GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
14.7	15.1	15.1	15.2	15.4	15.4	15.4	15.4	15.4	15.4
21.9	22.0	22.0	22.2	22.4	22.4	22.4	22.4	22.4	22.4
22.3	22.7	22.7	22.8	23.0	23.0	23.0	23.0	23.0	23.0
22.3	22.7	22.7	22.9	23.0	23.0	23.0	23.0	23.0	23.0
22.5	22.9	22.9	23.0	23.2	23.2	23.2	23.2	23.2	23.2
22.9	23.2	23.2	23.3	23.5	23.5	23.5	23.5	23.5	23.5
24.0	24.9	24.9	25.1	25.3	25.3	25.3	25.3	25.3	25.3
25.2	25.5	25.5	25.7	25.9	25.9	25.9	25.9	25.9	25.9
27.8	28.0	28.0	28.1	28.4	28.4	28.4	28.4	28.4	28.4
27.9	29.2	29.2	29.4	29.7	29.7	29.7	29.7	29.7	29.7
28.1	29.5	29.5	29.7	30.0	30.0	30.0	30.0	30.0	30.0
32.5	33.2	33.2	33.4	33.7	33.7	33.7	33.7	33.7	33.7
35.5	37.3	37.4	37.5	37.8	37.8	37.8	37.8	37.8	37.8
41.7	42.5	42.5	42.7	43.0	43.0	43.0	43.0	43.0	43.0
51.0	51.8	52.[illegible]	52.[illegible]	52.5	52.5	52.5	52.5	52.5	52.5
[illegible]	54.[illegible]	54.2	54.3	54.6	54.6	54.7	54.7	54.7	54.7
70.[illegible]	71.1	71.3	71.4	71.7	71.7	71.8	71.8	71.8	71.8
74.4	75.6	75.8	75.8	76.2	76.2	76.3	76.3	76.3	76.3
7[illegible].3	77.3	77.5	77.5	78.0	78.0	78.1	78.1	78.1	78.1
[illegible].9	83.4	83.7	83.8	84.1	84.1	84.2	84.2	84.2	84.2
85.9	87.3	87.5	87.5	88.0	88.0	88.1	88.1	88.1	88.1
87.7	90.2	90.5	90.6	91.0	91.0	91.1	91.1	91.1	91.1
[illegible]	91.3	91.5	91.8	92.2	92.2	92.3	92.3	92.3	92.3
91.5	93.1	93.4	93.9	94.2	94.2	94.3	94.3	94.3	94.3
93.1	94.7	95.1	95.5	95.8	95.8	95.9	95.9	95.9	95.9
93.5	95.2	95.5	96.1	96.5	96.5	96.6	96.6	96.6	96.6
94.5	95.3	96.8	97.6	98.1	98.1	98.2	98.3	98.3	98.3
94.9	95.9	97.3	98.3	98.7	98.7	98.9	99.0	99.1	99.1
95.0	95.9	97.5	98.7	99.2	99.2	99.6	99.7	99.8	99.8
94.9	96.9	97.5	98.7	99.2	99.4	99.7	99.8	99.9	99.9
94.9	95.9	97.5	98.7	99.4	99.5	99.8	99.9	100.0	100.0
94.9	95.9	97.5	98.7	99.4	99.5	99.8	99.9	100.0	100.0

OPERATING LOCATION "A" [illegible]

[illegible]

STATION [illegible] STATION [illegible]

CEILING	VISIBILITY [illegible]									
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	17.	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	75.3	[illegible]	[illegible]	[illegible]	91.	91.	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	77.	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	77.4	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	77.4	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	77.8	[illegible]	[illegible]	92.0	[illegible]	[illegible]	[illegible]	[illegible]
400	[illegible]	[illegible]	[illegible]	83.1	[illegible]	92.2	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	83.1	90.4	92.2	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	93.1	90.4	92.2	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	83.1	90.4	92.2	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	90.4	[illegible]	[illegible]	[illegible]	97.1	[illegible]

TOTAL NUMBER OF OBSERVATIONS 930

FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

[illegible] PERIOD OF RECORD: JUL 7[illegible] - JUN [illegible]
MONTH: MAR HOURS: 15-17

CEILING IN HUNDREDS OF FEET	VISIBILITY IN STATUTE MILES 2	3	4	5	6	7	8	9	10	6-10
	2	3	4	5	6	7	8	9	10	6-10
	15	15	15	15	12	13	34	36	34	90
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	19.9	19.9	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	25.4	[illegible]	[illegible]	[illegible]	25.4
[illegible]	[illegible]	[illegible]	[illegible]	25.7	[illegible]	25.6	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	25.7	[illegible]	25.3	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	25.4	[illegible]	[illegible]	25.7	[illegible]	25.9	25.9	[illegible]	[illegible]	25.4
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	26.3	26.3	26.3	26.3	26.3
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	32.3
[illegible]	31.3	31.4	31.5	31.7	31.7	31.7	31.7	31.7	31.7	31.7
[illegible]	[illegible]	[illegible]	[illegible]	34.2	34.4	34.5	34.5	34.5	34.5	34.5
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	35.4	35.1	35.1	35.1	35.1	35.1
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	35.7	35.7	35.7	35.7	35.7
[illegible]	[illegible]	[illegible]	[illegible]	33.2	33.4	33.5	33.5	33.5	33.5	33.5
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	45.1	45.3	45.3	45.3	45.3	45.3
[illegible]	[illegible]	[illegible]	[illegible]	53.3	53.2	53.4	53.4	53.4	53.4	53.4
[illegible]	[illegible]	[illegible]	[illegible]	53.3	53.3	53.4	53.4	53.4	53.4	53.4
[illegible]	72.4	72.4	72.3	73.1	73.3	73.3	73.3	73.3	73.3	73.3
[illegible]	[illegible]	[illegible]	[illegible]	73.1	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	83.1	83.3	83.4	83.4	83.4	83.4
[illegible]	[illegible]	[illegible]	[illegible]	3.4	[illegible]	83.3	84.[illegible]	84.3	84.3	84.3
[illegible]	87.1	87.1	87.7	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	88.3
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	92.2	[illegible]	93.1	93.3	93.4	93.4	93.4	93.4
[illegible]	[illegible]	[illegible]	[illegible]	93.7	93.[illegible]	94.1	94.2	94.2	94.2	94.2
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	94.1	94.3	94.4	94.4	94.4	94.4
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	95.1	95.3	95.4	95.4	95.4	95.4
[illegible]	[illegible]	96.4	[illegible]	96.1	96.7	96.9	97.0	97.0	97.0	97.0
[illegible]	[illegible]	[illegible]	[illegible]	97.3	[illegible]	[illegible]	[illegible]	[illegible]	98.3	98.3
[illegible]	[illegible]	[illegible]	[illegible]	97.5	[illegible]	98.6	98.7	98.7	98.7	98.7
[illegible]	[illegible]	[illegible]	[illegible]	98.3	98.9	99.5	99.7	99.7	99.7	99.7
[illegible]	[illegible]	[illegible]	97.1	98.5	99.1	99.7	99.9	99.9	99.9	99.9
[illegible]	[illegible]	[illegible]	97.1	[illegible]	99.1	99.8	100.0	100.0	100.0	100.0
[illegible]	[illegible]	[illegible]	97.1	[illegible]	99.1	99.8	100.0	100.0	100.0	100.0

[illegible]

STATION NAME: [illegible]

VISIBILITY IN [illegible]

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	31.	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	34.1	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	31.1	[illegible]	[illegible]	34.1	34.5	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	31.1	33.1	[illegible]	34.1	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	31.1	33.1	[illegible]	34.1	[illegible]	35.2	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	34.4	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	37.5	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	37.1	[illegible]	38.2	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	41.3	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	41.	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	47.4	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	53.	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	71.	[illegible]	71.
[illegible]	[illegible]	[illegible]	[illegible]	73.4	[illegible]	73.4	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	77.1	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	71.1	[illegible]	77.7	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	77.8	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	91.3	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	77.3	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	77.3	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	77.5	[illegible]	[illegible]	[illegible]	91.1	93.7	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	81.6	85.2	[illegible]	[illegible]	95.1	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	74.2	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	81.5	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	81.6	[illegible]	[illegible]	93.1	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	93.1	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	81.6	[illegible]	[illegible]	93.1	[illegible]	[illegible]	[illegible]

[illegible]

FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

[illegible] RAF UK PERIOD OF RECORD: JUL 79 - JUN 88
MONTH: MAR HOURS: 18-20

CEILING IN METERS / VISIBILITY IN METERS	1- 32	35- 24	38- 20	07- 16	08- 12	09- 10	02- 07	03- 05	05- 04	05- 00
[illegible]	[illegible]	31.0	31.0	31.3	31.3	31.3	31.3	31.3	31.3	31.3
[illegible]	34.5	35.4	35.4	35.7	35.9	35.9	35.9	35.9	35.9	35.9
[illegible]	35.2	35.9	35.9	36.2	36.5	36.5	36.5	36.5	36.5	36.5
[illegible]	35.2	35.9	35.9	36.2	36.5	36.5	36.5	36.5	36.5	36.5
[illegible]	35.2	35.9	35.9	36.2	36.5	36.5	36.5	36.5	36.5	36.5
[illegible]	35.5	36.2	36.2	36.5	36.9	36.5	36.8	36.8	36.8	36.8
[illegible]	36.1	37.8	38.5	39.1	39.4	39.4	39.4	39.4	39.4	39.4
[illegible]	36.7	39.5	39.5	39.5	40.0	40.0	40.0	40.0	40.0	40.0
[illegible]	43.3	44.2	44.2	44.5	44.8	44.8	44.8	44.8	44.8	44.8
[illegible]	44.8	45.8	45.8	46.1	46.5	46.5	46.5	46.5	46.5	46.5
[illegible]	46.5	47.4	47.4	47.7	48.1	48.1	48.1	48.1	48.1	48.1
[illegible]	[illegible]	51.5	51.5	51.8	52.2	52.2	52.2	52.2	52.2	52.2
[illegible]	[illegible]	55.1	55.1	55.5	55.9	55.9	55.9	55.9	55.9	55.9
[illegible]	55.5	55.5	55.5	57.1	57.4	57.4	57.4	57.4	57.4	57.4
[illegible]	69.9	71.2	71.5	71.8	72.2	72.2	72.2	72.2	72.2	72.2
[illegible]	75.5	76.1	75.2	75.8	77.1	77.1	77.1	77.1	77.1	77.1
[illegible]	77.1	78.7	78.9	79.5	79.8	79.8	79.8	79.8	79.8	79.8
[illegible]	81.1	82.7	82.8	83.4	83.8	83.8	83.8	83.8	83.8	83.8
[illegible]	81.4	82.8	82.9	83.5	83.9	83.9	83.9	83.9	83.9	83.9
[illegible]	86.7	86.5	86.5	87.2	87.5	87.5	87.5	87.5	87.5	87.5
[illegible]	87.3	87.9	87.1	87.7	88.1	88.1	88.1	88.1	88.1	88.1
[illegible]	89.4	90.2	90.3	91.0	91.6	91.5	91.5	91.5	91.5	91.5
[illegible]	90.9	91.3	91.4	92.0	92.7	92.7	92.7	92.7	92.7	92.7
[illegible]	91.9	92.5	92.5	93.4	94.1	94.1	94.1	94.1	94.1	94.1
[illegible]	92.2	92.9	92.9	93.8	94.4	94.4	94.4	94.4	94.4	94.4
[illegible]	91.1	93.7	94.1	94.9	95.8	95.8	95.8	95.8	95.8	95.8
[illegible]	93.4	95.1	95.6	96.9	97.7	97.7	97.8	97.8	97.8	97.8
[illegible]	93.9	95.9	96.5	97.9	98.7	98.9	99.0	99.0	99.0	99.0
[illegible]	93.9	95.9	96.9	98.4	99.2	99.5	99.6	99.6	99.6	99.6
[illegible]	93.1	96.0	97.0	98.5	99.5	99.8	99.9	99.9	99.9	99.9
[illegible]	93.1	96.0	97.0	98.5	99.5	99.8	100.0	100.0	100.0	100.0
[illegible]	93.1	96.0	97.0	98.5	99.5	99.8	100.0	100.0	100.0	100.0

OPERATING LOCATION WAR PERCENTAGE FREQUENCY OF OCCURRENCE OF C
USAFETAC, ASHEVILLE NC FROM HOURLY OBSERVATIONS

STATION NUMBER: 3[illegible] STATION NAME: UPPER HOYE[illegible] [illegible]
LST TO UTC: - 0 MONTH:

CEILING IN FEET	1	2	3	4	5	6	7	8	9	10	11
	VISIBILITY IN METERS										
	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	43	40	32	24	20	16
[illegible] CEIL	[illegible]	[illegible]	35.7	37.1	38.1	38.3	39.1	39.2	39.2	[illegible]	
[illegible] 20000	[illegible]	37.4	39.2	38.7	40.5	40.9	42.0	42.3	42.5	[illegible]	
[illegible] 18000	37.5	37.[illegible]	39.7	40.1	41.1	41.3	42.5	42.7	42.9	[illegible]	
[illegible] 16000	37.8	37.[illegible]	39.7	40.1	41.1	41.3	42.5	42.7	42.9	[illegible]	
[illegible] 14000	37.5	[illegible]	39.9	40.3	41.3	41.5	42.7	42.9	43.1	[illegible]	
[illegible] 12000	37.7	[illegible]	40.1	40.5	41.5	41.7	42.9	43.1	43.3	[illegible]	
[illegible] 10000	[illegible]	[illegible]	41.3	41.7	42.9	43.1	44.3	44.5	44.5	[illegible]	
[illegible] 9000	[illegible]	[illegible]	42.0	42.5	43.7	43.9	45.1	45.4	[illegible]	[illegible]	
[illegible] 8000	[illegible]	[illegible]	45.9	46.0	47.7	[illegible]	47.1	49.5	50.1	[illegible]	
[illegible] 7000	44.9	[illegible]	45.7	47.3	[illegible]	48.4	50.1	[illegible]	51.1	[illegible]	
[illegible] 6000	44.2	[illegible]	47.5	[illegible]	49.5	49.7	51.3	51.4	51.[illegible]	[illegible]	
[illegible] 5000	[illegible]	[illegible]	[illegible]	[illegible]	54.4	54.4	54.5	55.3	55.3	[illegible]	
[illegible] 4500	[illegible]	[illegible]	56.1	57.2	58.0	58.1	[illegible]	61.3	61.[illegible]	[illegible]	
[illegible] 4000	[illegible]	[illegible]	59.2	61.3	63.[illegible]	63.2	64.7	65.4	[illegible]	[illegible]	
[illegible] 3500	[illegible]	[illegible]	61.8	63.1	64.7	65.2	67.3	[illegible]	[illegible]	[illegible]	
[illegible] 3000	[illegible]	[illegible]	[illegible]	[illegible]	68.7	69.9	70.[illegible]	71.[illegible]	72.4	72.	
[illegible] 2500	[illegible]	71.1	67.1	[illegible]	70.[illegible]	71.2	73.2	74.3	74.[illegible]	[illegible]	
[illegible] 2000	[illegible]	[illegible]	74.7	71.4	73.9	74.2	75.2	77.3	77.[illegible]	[illegible]	
[illegible] 1500	[illegible]	[illegible]	[illegible]	72.3	74.[illegible]	75.[illegible]	77.2	[illegible]	[illegible]	[illegible]	
[illegible] 1000	[illegible]	[illegible]	73.1	74.[illegible]	77.7	78.4	[illegible]	81.9	82.6	[illegible]	
[illegible] 1200	67.9	[illegible]	75.7	77.[illegible]	[illegible]	81.6	83.[illegible]	[illegible]	85.4	[illegible]	
[illegible] 1000	[illegible]	[illegible]	75.0	78.4	82.[illegible]	83.9	[illegible]	[illegible]	[illegible]	[illegible]	
[illegible] 900	[illegible]	[illegible]	77.[illegible]	80.3	83.3	84.4	[illegible]	[illegible]	[illegible]	[illegible]	
[illegible] 800	[illegible]	[illegible]	78.1	81.2	84.5	85.7	[illegible]	90.[illegible]	91.[illegible]	[illegible]	
[illegible] 700	73.0	78.1	79.[illegible]	81.[illegible]	84.9	86.1	89.4	91.4	92.3	[illegible]	
[illegible] 600	[illegible]	78.4	79.[illegible]	[illegible]	82.[illegible]	85.4	86.7	90.1	92.2	93.3	[illegible]
[illegible] 500	73.[illegible]	71.1	[illegible]	83.3	86.7	[illegible]	92.2	94.3	[illegible]	[illegible]	
[illegible] 400	73.[illegible]	71.1	83.9	83.3	85.[illegible]	[illegible]	92.5	94.9	95.5	97.2	
[illegible] 300	73.0	71.1	81.6	83.1	87.0	88.7	92.5	95.5	97.2	97.7	
[illegible] 200	73.0	71.1	81.0	83.1	87.0	88.7	92.[illegible]	95.5	97.4	98.2	
[illegible] 100	73.0	71.1	81.6	83.1	87.0	88.7	92.4	95.6	97.4	[illegible]	
[illegible] 000	73.0	71.1	81.0	83.1	87.0	88.7	92.[illegible]	95.6	97.4	[illegible]	

TOTAL NUMBER OF OBSERVATIONS 930

FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

[illegible] RAF UK PERIOD OF RECORD: JUL 73 - JUN 88
MONTH: MAR HOURS: 21-23

ILITY IN METERS	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
[illegible]	39.1	39.2	39.2	39.4	39.4	39.4	39.4	39.4	39.4	39.4
[illegible]	42.0	42.3	42.5	42.5	43.1	43.1	43.1	43.1	43.1	43.1
[illegible]	42.5	42.7	42.9	43.2	43.5	43.5	43.5	43.5	43.5	43.5
[illegible]	42.5	42.7	42.9	43.2	43.5	43.5	43.5	43.5	43.5	43.5
[illegible]	42.7	42.9	43.1	43.4	43.8	43.8	43.8	43.8	43.8	43.8
[illegible]	42.9	43.1	43.3	43.7	44.0	44.0	44.0	44.0	44.0	44.0
[illegible]	44.3	44.5	44.3	45.2	45.5	45.5	45.5	45.5	45.5	45.5
[illegible]	45.1	45.4	45.5	45.9	46.2	46.2	46.2	46.2	46.2	46.2
[illegible]	49.1	49.5	50.1	50.4	50.8	50.8	50.8	50.8	50.8	50.8
[illegible]	50.1	50.5	51.1	51.4	51.7	51.7	51.7	51.7	51.7	51.7
[illegible]	51.0	51.4	51.9	52.3	52.6	52.6	52.6	52.6	52.6	52.6
[illegible]	55.0	55.3	55.9	57.2	57.5	57.5	57.5	57.5	57.5	57.5
[illegible]	60.5	61.3	61.8	62.2	62.5	62.5	62.5	62.5	62.5	62.5
[illegible]	64.7	65.4	65.9	66.2	66.6	66.6	66.6	66.6	66.6	66.6
[illegible]	67.0	68.0	68.5	69.0	69.2	69.2	69.2	69.2	69.2	69.2
[illegible]	70.8	71.8	72.4	72.8	73.1	73.1	73.1	73.1	73.1	73.1
[illegible]	73.2	74.3	74.8	75.3	75.6	75.6	75.6	75.6	75.6	75.6
[illegible]	75.2	77.3	77.8	78.3	78.6	78.6	78.6	78.6	78.6	78.6
[illegible]	77.2	78.3	78.8	79.2	79.6	79.6	79.6	79.6	79.6	79.6
[illegible]	80.9	81.9	82.5	82.9	83.2	83.2	83.2	83.2	83.2	83.2
[illegible]	83.8	84.8	85.4	85.8	86.1	86.1	86.1	86.1	86.1	86.1
[illegible]	86.9	88.1	88.7	89.1	89.5	89.5	89.5	89.5	89.5	89.5
[illegible]	87.4	88.8	89.5	89.9	90.2	90.2	90.2	90.2	90.2	90.2
[illegible]	88.9	90.8	91.5	92.2	92.5	92.5	92.5	92.5	92.5	92.5
[illegible]	89.4	91.4	92.3	92.8	93.3	93.3	93.3	93.3	93.3	93.3
[illegible]	90.1	92.2	93.3	93.9	94.4	94.4	94.4	94.4	94.4	94.4
[illegible]	92.2	94.3	95.5	96.0	96.8	96.8	96.9	96.9	96.9	96.9
[illegible]	92.5	94.8	96.6	97.1	97.5	97.5	98.0	98.0	98.0	98.0
[illegible]	92.8	95.5	97.2	97.7	98.5	98.7	98.8	98.8	98.8	98.8
[illegible]	92.9	95.6	97.4	98.2	99.0	99.2	99.4	99.4	99.5	99.5
[illegible]	92.8	95.6	97.4	98.2	99.1	99.4	99.6	99.7	100.0	100.0
[illegible]	92.8	95.6	97.4	98.2	99.1	99.4	99.6	99.7	100.0	100.0

OPERATING LOCATION NAW
OCAPTIAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF
FROM JULY OBSERVATION

STATION NUMBER: 3,563 STATION NAME: JOPER HAYSTACK AFB UK
LST TO UTC: - 0

CEILING IN FEET	7 112	6	5	4 60	3 48	2 42	1 32	0 24	20	1
NO CEIL	21.5	21.5	23.7	24.3	25.6	26.0	26.6	26.9	27.0	27.
GE 20000	26.1	26.4	27.5	28.2	29.7	30.2	31.0	31.4	31.5	31.
GE 18000	26.5	26.7	27.6	28.5	30.1	30.5	31.3	31.7	31.9	32.
GE 15000	26.4	26.7	27.4	28.5	30.1	30.5	31.3	31.6	31.9	32.
GE 14000	26.5	26.8	27.9	28.7	30.2	30.7	31.4	31.9	32.1	32.
GE 12000	26.9	29.1	29.3	29.1	30.6	31.1	31.9	32.3	32.4	32.
GE 10000	27.4	27.7	30.1	30.9	32.7	33.2	34.0	34.5	34.7	35.
GE 9000	27.1	29.4	30.9	31.7	33.4	33.9	34.7	35.2	35.4	35.
GE 8000	30.7	31.9	33.6	34.5	35.5	37.0	37.3	38.4	38.5	38.
GE 7000	31.2	31.8	34.4	35.4	37.4	38.0	38.3	39.5	39.7	40.
GE 6000	31.[illegible]	32.9	36.2	36.2	38.2	39.4	39.7	40.2	40.4	41.
GE 5000	34.7	35.1	38.6	39.7	42.1	42.7	43.5	44.3	44.5	45.
GE 4500	36.[illegible]	38.7	42.9	44.2	45.9	47.5	48.7	49.5	49.[illegible]	50.
GE 4000	42.5	42.5	47.2	48.8	51.[illegible]	52.6	53.7	54.6	54.9	55.
GE 3500	46.5	46.1	51.4	53.0	55.2	57.0	58.2	59.1	59.5	59.
GE 3000	49.9	49.[illegible]	55.7	57.5	61.9	62.9	64.2	65.2	65.5	66.
GE 2500	52.2	52.9	59.7	61.9	65.6	66.5	67.[illegible]	69.1	69.[illegible]	71.
GE 2000	54.5	55.4	62.8	65.3	67.9	70.7	72.2	73.2	73.[illegible]	74.
GE 1500	57.2	58.6	63.5	65.0	70.3	71.5	73.2	74.3	74.7	75.
GE 1000	57.6	59.3	66.5	69.3	74.3	75.7	77.5	78.7	79.2	79.
GE 1200	58.7	59.5	66.3	71.4	75.7	76.2	80.1	81.3	81.[illegible]	82.
GE 1000	59.6	60.5	69.3	72.9	73.7	80.5	82.7	84.1	84.7	[illegible]
GE 900	59.3	60.9	70.4	73.5	77.5	81.3	83.5	[illegible].2	85.5	[illegible]
GE 800	60.[illegible]	61.1	71.0	74.4	80.8	82.6	85.0	86.7	87.4	[illegible]
GE 700	60.5	61.4	71.6	75.0	81.6	83.5	86.0	88.0	88.7	89.
GE 600	60.5	61.7	72.1	75.6	82.5	84.5	87.2	89.1	90.2	91.
GE 500	61.2	62.1	72.8	75.4	83.7	85.1	87.1	91.4	92.6	94.
GE 400	61.2	62.1	73.0	76.0	84.0	86.4	87.0	92.1	93.5	95.
GE 300	61.2	62.1	73.0	76.5	84.1	86.5	89.7	92.4	94.3	95.
GE 200	61.2	62.1	73.0	76.5	84.1	86.5	89.7	92.5	94.2	95.
GE 100	61.2	62.1	73.0	76.5	84.1	86.5	89.7	92.5	94.2	95.
GE 000	61.2	62.1	73.0	76.5	84.1	86.5	89.7	92.5	94.2	95.

TOTAL NUMBER OF OBSERVATIONS 7430

NTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

2 HAYFORD RAF UK

PERIOD OF RECORD: JUL 74 - JUN 86
MONTH: MAR HOURS: ALL

VISIBILITY IN METERS										
GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
26.0	26.6	26.9	27.0	27.2	27.4	27.4	27.5	27.6	27.7	27.8
30.2	31.0	31.4	31.6	31.9	32.1	32.2	32.3	32.3	32.4	32.6
30.6	31.3	31.8	31.9	32.2	32.5	32.5	32.6	32.7	32.8	33.0
30.6	31.3	31.8	31.9	32.2	32.5	32.5	32.7	32.7	32.8	33.0
30.7	31.4	31.9	32.1	32.4	32.6	32.7	32.8	32.9	32.9	33.1
31.1	31.8	32.3	32.4	32.7	33.0	33.0	33.1	33.2	33.3	33.5
33.2	34.0	34.5	34.7	35.0	35.2	35.3	35.4	35.4	35.5	35.7
33.9	34.7	35.2	35.4	35.7	36.0	36.0	36.1	36.2	36.3	36.4
37.0	37.9	38.4	38.6	39.0	39.2	39.3	39.4	39.5	39.6	39.7
38.9	39.9	39.6	39.7	40.0	40.3	40.4	40.5	40.5	40.6	40.8
38.9	39.7	40.2	40.4	40.8	41.1	41.2	41.3	41.3	41.4	41.6
42.7	43.5	44.3	44.5	44.9	45.2	45.4	45.5	45.5	45.6	45.9
47.3	48.7	49.5	49.8	50.2	50.6	50.7	50.8	50.9	51.0	51.2
52.8	53.7	54.6	54.9	55.4	55.7	55.8	55.9	55.1	56.2	56.4
57.3	58.2	59.1	59.5	60.1	60.4	60.5	60.7	60.7	60.8	61.1
62.8	64.2	65.2	65.6	66.2	66.5	66.6	66.8	66.8	66.9	67.2
68.5	69.3	69.1	69.5	70.1	70.4	70.5	70.7	70.8	70.9	71.1
73.7	73.2	73.3	73.8	74.4	74.8	74.9	75.0	75.1	75.2	75.5
71.5	73.2	74.3	74.7	75.4	75.7	75.8	76.0	76.1	76.2	76.4
75.7	77.5	78.7	79.2	79.8	80.2	80.3	80.5	80.6	80.7	81.0
79.2	80.1	81.3	81.8	82.6	83.0	83.1	83.3	83.4	83.5	83.7
82.9	82.7	84.1	84.7	85.6	86.0	86.1	86.3	86.4	86.5	86.8
81.3	83.6	85.2	85.5	86.7	87.1	87.3	87.5	87.6	87.7	87.9
87.5	85.0	86.7	87.4	88.4	88.9	89.0	89.2	89.3	89.4	89.7
86.8	85.0	85.0	88.7	89.8	90.4	90.5	90.7	90.8	90.9	91.2
84.6	87.2	89.1	90.2	91.5	92.1	92.2	92.5	92.6	92.7	92.9
90.1	89.1	91.4	92.6	94.1	94.9	95.0	95.3	95.4	95.5	95.8
90.4	92.6	92.1	93.5	95.1	96.0	96.2	96.5	96.6	96.8	97.1
90.5	89.7	92.4	94.0	95.9	96.9	97.2	97.6	97.8	98.0	98.4
90.8	89.7	92.5	94.2	95.2	97.3	97.7	98.1	98.5	98.8	99.3
90.8	89.7	92.5	94.2	96.2	97.4	97.9	98.3	98.7	99.3	100.0
90.8	89.7	92.5	94.2	96.2	97.4	97.9	98.3	98.7	99.3	100.0

OPERATING LOCATION "AW"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF
FROM HOURLY OBSERVATIONS

STATION NUMBER: 3[illegible]3 STATION NAME: UPPER HAYFORK [illegible]
LST TO UTC: - 0

CEILING IN FEET	VISIBILITY IN METERS 112	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1
NO CEIL	37.[illegible]	[illegible]	44.[illegible]	45.5	47.2	47.9	[illegible]	49.[illegible]	49.9	[illegible]
5[illegible] 15000	41.[illegible]	41.[illegible]	47.9	49.[illegible]	52.2	52.9	53.7	54.0	54.0	[illegible]
5[illegible] 15000	41.[illegible]	41.[illegible]	47.9	49.[illegible]	52.2	52.9	53.7	54.0	54.0	[illegible]
5[illegible] 14000	41.[illegible]	41.[illegible]	47.9	49.3	52.2	52.9	53.7	54.0	54.0	[illegible]
5[illegible] 14000	41.1	41.[illegible]	49.[illegible]	49.9	52.3	53.2	53.8	54.1	54.1	[illegible]
5[illegible] 12000	41.3	41.1	49.2	50.1	52.6	53.2	54.3	54.3	54.3	[illegible]
5[illegible] 10000	42.4	43.2	49.9	51.3	54.3	55.1	55.1	55.4	55.4	[illegible]
5[illegible] 9000	42.4	43.2	49.9	51.3	54.3	55.1	55.1	55.4	55.4	[illegible]
5[illegible] 8000	45.[illegible]	46.[illegible]	53.6	55.5	58.2	59.1	59.1	59.5	59.5	[illegible]
5[illegible] 7000	46.2	47.9	54.3	56.3	59.1	60.0	61.1	61.5	61.[illegible]	61
5[illegible] 6000	46.9	47.7	55.[illegible]	57.0	59.[illegible]	60.7	61.9	62.3	62.3	[illegible]
5[illegible] 5000	48.9	[illegible]	57.9	59.[illegible]	62.[illegible]	63.7	65.9	65.7	65.7	[illegible]
5[illegible] 4500	52.[illegible]	[illegible]	61.3	63.5	67.1	68.4	69.[illegible]	70.[illegible]	70.9	71
5[illegible] 4000	54.1	54.9	64.2	65.5	70.9	72.4	74.0	74.4	74.4	7[illegible]
5[illegible] 3500	55.7	[illegible]	66.1	68.[illegible]	73.0	74.7	76.2	77.[illegible]	77.[illegible]	77
5[illegible] 3000	[illegible]	[illegible]	[illegible]	72.9	76.3	78.1	79.7	80.4	[illegible]	
5[illegible] 2500	60.9	61.1	71.1	74.1	78.4	80.2	81.[illegible]	82.5	82.5	[illegible]
5[illegible] 2000	61.[illegible]	62.[illegible]	72.6	75.7	80.1	82.3	83.5	84.4	84.4	84
5[illegible] 1800	62.9	62.[illegible]	73.0	76.1	80.5	82.4	84.[illegible]	84.9	84.9	[illegible]
5[illegible] 1500	63.1	64.[illegible]	74.4	77.[illegible]	82.4	84.3	86.2	86.3	86.3	7[illegible]
5[illegible] 1200	63.7	64.[illegible]	75.5	79.9	83.5	85.4	87.1	88.[illegible]	88.1	[illegible]
5[illegible] 1000	64.4	65.3	76.7	80.2	85.1	87.1	[illegible]	89.7	89.1	[illegible]
5[illegible] 900	67.1	68.[illegible]	77.3	80.9	85.5	89.0	89.7	90.6	91.0	91
[illegible] 800	65.3	66.7	78.7	82.5	87.3	90.0	91.7	92.9	93.3	93
5[illegible] 700	65.9	66.[illegible]	78.[illegible]	82.[illegible]	88.1	90.8	92.1	93.4	93.9	94
5[illegible] 600	65.9	66.9	78.9	82.9	88.5	93.8	92.6	93.9	94.3	94
5[illegible] 500	66.2	67.2	79.4	83.7	90.0	92.2	94.[illegible]	95.9	96.5	97
5[illegible] 400	66.2	67.3	79.5	83.9	90.2	92.4	94.3	95.3	97.3	97
5[illegible] 300	66.4	67.4	79.6	84.2	90.6	93.0	95.1	97.1	98.1	98
5[illegible] 200	66.4	67.4	79.3	84.2	90.6	93.0	95.1	97.1	98.2	98
5[illegible] 100	66.4	67.4	79.[illegible]	84.2	90.6	93.0	95.1	97.1	98.2	98
5[illegible] 000	66.4	67.4	79.3	84.2	90.6	93.0	95.1	97.1	98.2	98

TOTAL NUMBER OF OBSERVATIONS 909

FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

[illegible] RAF UK PERIOD OF RECORD: JUL 78 - JUN 8[illegible]
MONTH: APR HOURS: 00-02

ILITY IN METERS									
[illegible] 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE [illegible]	GE 04	GE 00
[illegible].7	49.0	49.0	49.3	49.3	49.3	49.3	49.4	49.4	49.4
53.7	54.0	54.0	54.3	54.5	54.6	54.7	54.8	54.8	54.8
53.7	54.0	54.0	54.3	54.5	54.6	54.7	54.8	54.8	54.3
53.7	54.0	54.0	54.3	54.5	54.6	54.7	54.8	54.8	54.8
53.8	54.1	54.1	54.4	54.7	54.7	54.8	54.9	54.9	54.9
54.0	54.3	54.3	54.7	54.9	54.9	55.0	55.1	55.1	55.1
[illegible].1	55.4	55.4	55.8	57.0	57.0	57.1	57.2	57.2	57.2
[illegible].1	55.4	55.4	55.8	57.0	57.0	57.1	57.2	57.2	57.2
60.1	60.5	60.5	60.9	61.1	61.1	61.2	61.3	61.3	61.3
61.1	61.5	61.6	61.9	62.1	62.1	62.2	62.3	62.3	62.3
61.9	62.3	62.3	62.7	62.9	62.9	63.0	63.1	63.1	63.1
65.0	65.7	65.7	66.1	66.3	66.3	66.4	66.6	66.6	66.6
70.3	70.6	70.6	71.0	71.3	71.3	71.4	71.6	71.6	71.6
74.0	74.3	74.6	75.2	75.6	75.6	75.8	75.9	75.9	75.9
76.2	77.0	77.0	77.4	77.8	77.8	78.0	78.1	78.1	78.1
79.7	80.4	80.4	80.9	81.2	81.2	81.4	81.6	81.6	81.6
81.[illegible]	82.6	82.6	83.0	83.3	83.3	83.6	83.7	83.7	83.7
83.6	84.4	84.4	84.9	85.2	85.2	85.4	85.6	85.6	85.6
84.[illegible]	84.9	84.9	85.3	85.7	85.7	85.9	86.0	86.0	86.0
86.0	86.9	86.9	87.3	87.7	87.7	87.9	88.0	88.0	88.0
87.1	88.0	88.1	88.6	88.9	88.9	89.1	89.2	89.2	89.2
89.8	89.7	90.1	90.6	90.9	90.9	91.1	91.2	91.2	91.2
90.7	90.6	91.0	91.4	91.8	91.8	92.0	92.1	92.1	92.1
91.7	92.9	93.3	93.8	94.2	94.2	94.4	94.6	94.6	94.6
92.1	93.4	93.9	94.3	94.8	94.8	95.0	95.1	95.1	95.1
92.6	93.9	94.3	94.8	95.2	95.2	95.4	95.6	95.6	95.6
94.[illegible]	95.9	96.6	97.0	97.4	97.4	97.7	97.8	97.8	97.8
94.2	95.3	97.3	97.8	98.6	98.6	98.8	98.9	98.9	98.9
95.1	97.1	98.1	98.6	99.3	99.4	99.7	99.8	99.8	99.8
95.1	97.1	98.2	98.7	99.4	99.6	99.9	100.0	100.0	100.0
95.1	97.1	98.2	98.7	99.4	99.6	99.9	100.0	100.0	100.0
95.1	97.1	98.2	98.7	99.4	99.6	99.9	100.0	100.0	100.0

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE, NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF C
FROM 40 YEARS OBSERVATIONS

STATION NUMBER: 36553 STATION NAME: UPPER MCKENZIE RAF JC
LST TO UTC: - 0

CEILING IN FEET	0-1/2	1	2	3	4	5	6	7	8	9
	VISIBILITY IN METERS									
	112	96	80	64	48	40	32	24	20	16
NO CEIL	29.2	29.4	30.1	32.2	36.9	37.2	38.0	38.5	38.5	38.7
22000	2[illegible].2	27.9	34.0	36.1	41.1	41.7	42.7	43.7	44.1	44.[illegible]
18000	2[illegible].2	27.9	34.0	36.1	41.1	41.7	42.7	43.7	44.1	44.[illegible]
17000	27.7	27.9	34.0	36.1	41.1	41.7	42.7	43.7	44.1	44.[illegible]
14000	27.7	28.[illegible]	34.1	36.2	41.2	41.8	42.[illegible]	43.[illegible]	44.2	44.[illegible]
12000	27.1	28.3	34.5	36.7	41.7	42.2	43.3	44.3	44.[illegible]	45.[illegible]
10000	3[illegible]	3[illegible].9	35.3	38.5	43.7	44.2	45.5	46.2	46.[illegible]	47.[illegible]
9000	3[illegible].2	31.3	35.4	38.7	43.8	44.3	45.4	46.4	46.8	47.[illegible]
8000	33.2	33.[illegible]	38.8	42.1	47.[illegible]	48.3	49.7	50.[illegible]	51.3	[illegible]
7000	33.5	33.[illegible]	40.1	42.[illegible]	47.4	48.0	50.5	51.7	52.2	52.[illegible]
6000	34.1	34.4	40.7	43.3	48.2	49.0	51.4	52.5	53.5	54.[illegible]
5000	3[illegible].[illegible]	37.1	44.3	48.7	53.5	53.4	[illegible]	[illegible].7	57.3	[illegible].1
4500	3[illegible].3	3[illegible].5	45.7	49.4	54.3	54.9	[illegible]	[illegible]	[illegible].2	61.[illegible]
4000	41.[illegible]	41.1	53.2	53.1	57.7	61.0	63.4	65.1	6[illegible].[illegible]	[illegible]
3500	43.3	44.2	52.7	55.7	62.3	64.3	66.3	[illegible]	66.2	72.[illegible]
3000	45.[illegible]	45.3	54.[illegible]	54.2	65.8	67.3	72.2	72.[illegible]	77.7	78.[illegible]
2500	4[illegible].4	45.[illegible]	55.[illegible]	53.5	67.3	69.0	71.3	73.7	74.[illegible]	75.1
2000	4[illegible].3	4[illegible].4	53.0	51.3	69.9	71.5	74.[illegible]	75.9	77.7	75.[illegible]
1800	4[illegible].1	49.5	53.7	52.4	70.7	72.3	75.5	77.7	7[illegible].4	76.[illegible]
1500	51.2	51.7	51.[illegible]	55.2	73.7	75.6	78.[illegible]	80.9	81.7	82.[illegible]
1200	52.1	52.4	51.[illegible]	55.1	74.3	76.9	80.1	82.2	83.[illegible]	83.[illegible]
1000	52.[illegible]	53.2	52.8	57.0	75.5	78.0	81.0	83.7	84.4	85.2
900	53.[illegible]	53.[illegible]	53.1	58.7	75.9	79.2	82.5	84.9	85.7	5.[illegible]
800	53.[illegible]	54.3	54.7	54.3	59.2	73.7	81.0	84.5	86.7	87.4
700	7[illegible]	54.[illegible]	55.1	55.5	70.1	79.3	82.2	85.5	86.3	88.1
600	5[illegible]	54.[illegible]	55.1	65.5	70.1	79.3	82.3	85.2	89.1	89.9
500	7[illegible]	55.4	55.5	56.4	71.2	82.0	84.5	83.[illegible]	92.2	93.9
400	4[illegible]	55.[illegible]	55.9	56.6	71.3	82.2	84.8	89.1	93.2	94.3
300	3[illegible]	55.[illegible]	56.9	56.6	71.3	82.2	84.9	89.7	94.1	95.2
200	2[illegible]	55.5	56.9	56.6	71.3	82.2	84.9	89.7	94.2	95.6
100	1[illegible]	55.5	56.9	56.6	71.3	82.2	84.9	89.7	94.2	95.6
0	0[illegible]	55.5	56.9	56.6	71.3	82.2	84.9	89.7	94.2	95.6

TOTAL NUMBER OF OBSERVATIONS 90[illegible]

TABLE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

MILDENHALL RAF UK — PERIOD OF RECORD: JUL 73 - JUN 88
MONTH: APR HOURS: 03-05

VISIBILITY IN METERS

GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
37.2	38.0	38.5	39.0	39.7	39.8	39.8	39.9	39.9	40.2	40.3
41.7	42.7	43.7	44.1	44.5	44.9	44.9	45.1	45.1	45.6	46.0
41.7	42.7	43.7	44.1	44.5	44.9	44.9	45.1	45.1	45.6	46.0
41.7	42.7	43.7	44.1	44.5	44.9	44.9	45.1	45.1	45.6	46.0
41.9	42.8	43.8	44.2	44.9	45.0	45.0	45.2	45.2	45.7	46.1
42.2	43.3	44.3	44.8	45.4	45.5	45.5	45.8	45.8	46.2	46.7
44.2	45.3	46.2	46.9	47.4	47.5	47.6	47.8	47.8	48.2	48.7
44.3	45.4	46.4	46.9	47.5	47.7	47.7	47.9	47.9	48.3	48.8
48.3	49.7	50.6	51.3	52.0	52.1	52.1	52.3	52.3	52.9	53.4
49.0	50.5	51.7	52.2	52.9	53.0	53.0	53.2	53.2	53.9	54.3
49.9	51.4	52.9	53.5	54.2	54.3	54.3	54.6	54.6	55.1	55.7
53.4	55.2	56.7	57.3	58.1	58.2	58.2	58.4	58.4	59.0	59.6
55.9	58.0	59.6	60.2	61.0	61.1	61.1	61.3	61.3	61.9	62.4
61.0	63.4	65.1	65.8	66.6	66.7	66.7	66.9	66.9	67.4	68.0
66.3	68.9	68.5	69.2	70.0	70.1	70.1	70.3	70.3	70.9	71.4
67.5	70.2	72.0	72.7	73.4	73.5	73.6	73.8	73.8	74.4	75.0
69.0	71.9	73.7	74.3	75.1	75.2	75.2	75.4	75.4	76.1	76.7
71.5	74.2	75.9	77.7	78.4	78.6	78.5	78.5	78.5	79.4	80.0
72.3	75.5	77.7	79.4	79.2	79.3	79.3	79.5	79.5	80.2	80.8
75.5	78.9	80.9	81.7	82.4	82.6	82.7	83.0	83.0	83.7	84.2
76.9	80.1	82.2	83.0	83.8	83.9	84.0	84.3	84.3	85.0	85.6
76.0	81.5	83.7	84.4	85.2	85.3	85.4	85.8	85.9	86.6	87.1
77.2	82.5	84.9	85.7	86.4	86.6	86.7	87.0	87.1	87.8	88.3
81.0	84.5	86.7	87.4	88.2	88.3	88.4	88.8	88.9	89.6	90.1
82.2	88.5	88.3	89.1	89.9	90.0	90.1	90.4	90.5	91.2	91.8
82.8	85.2	89.1	89.9	90.8	90.9	91.0	91.3	91.4	92.1	92.7
86.5	88.8	92.2	93.0	93.9	94.4	94.5	94.9	95.0	95.7	96.2
86.5	89.1	93.2	94.3	95.2	96.1	96.2	96.6	96.7	97.3	97.9
88.9	89.7	94.1	95.2	96.4	97.4	97.5	97.9	98.1	98.8	99.3
89.9	90.7	94.2	95.6	96.8	98.0	98.1	98.4	98.7	99.3	99.9
89.9	90.7	94.2	95.6	96.8	98.0	98.1	98.4	98.7	99.3	100.0
89.9	90.7	94.2	95.6	96.8	98.0	98.1	98.4	98.7	99.3	100.0

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE [illegible]
FROM HOURLY OBSERVATIONS

STATION NUMBER: 3[illegible]53 STATION NAME: UPPER HEYFORD [illegible]
LST TO UTC: - 0

CEILING IN FEET	VISIBILITY IN METERS 112	90	80	60	48	40	32	24	20	1[illegible]
NO CEIL	17.9	17.9	23.3	24.4	27.5	29.2	29.3	30.3	30.9	31.
5[illegible] 20000	2[illegible].7	22.7	2[illegible].0	24.7	32.4	33.5	35.0	35.2	35.3	[illegible]
5[illegible] 15000	2[illegible].9	2[illegible].9	2[illegible].2	23.9	32.7	33.3	35.2	35.5	37.1	[illegible]
5[illegible] 14000	2[illegible].9	2[illegible].9	2[illegible].2	23.9	32.7	33.5	35.2	35.5	37.1	[illegible]
5[illegible] 12000	21.1	21.1	2[illegible].5	29.2	33.1	34.4	35.9	37.2	37.[illegible]	[illegible]
5[illegible] 10000	22.2	22.2	29.2	31.2	35.4	36.[illegible]	3[illegible].2	3[illegible].[illegible]	4[illegible].3	41.
5[illegible] 9000	22.4	22.4	30.2	31.6	35.3	37.1	3[illegible].5	40.1	40.7	41.
5[illegible] [illegible]	24.2	24.2	32.7	34.5	38.9	40.4	41.7	42.7	44.2	[illegible]
5[illegible] 7000	24.[illegible]	24.[illegible]	33.4	35.5	40.[illegible]	41.5	43.3	44.9	45.7	47.
5[illegible] 6000	25.4	25.4	34.5	36.1	41.2	42.[illegible]	44.4	45.5	47.4	[illegible]
5[illegible] 5000	3[illegible].[illegible]	3[illegible].[illegible]	37.0	3[illegible].[illegible]	44.0	45.0	47.4	4[illegible].5	[illegible].7	52.
5[illegible] 4500	2[illegible].7	2[illegible].4	41.5	42.3	47.6	49.7	51.2	53.5	54.[illegible]	[illegible]
5[illegible] 4000	32.3	3[illegible].5	44.2	46.1	51.4	54.[illegible]	5[illegible].5	53.3	5[illegible].5	[illegible]
5[illegible] 3500	33.9	33.[illegible]	46.1	48.5	53.4	55.9	57.5	60.3	61.[illegible]	[illegible]
5[illegible] 3000	3[illegible].[illegible]	4[illegible].[illegible]	5[illegible].2	52.4	57.9	60.5	62.1	64.[illegible]	65.7	67.
5[illegible] [illegible]	37.3	37.5	51.1	53.3	5[illegible].9	61.[illegible]	63.5	65.4	67.7	[illegible]
5[illegible] 2000	3[illegible].[illegible]	4[illegible].[illegible]	54.1	56.5	62.2	65.4	67.2	70.1	71.7	7[illegible]
5[illegible] 1500	4[illegible].7	4[illegible].[illegible]	5[illegible].3	57.4	63.1	66.3	6[illegible].1	71.5	72.4	7[illegible]
5[illegible] 1500	42.9	43.1	5[illegible].1	5[illegible].9	67.1	7[illegible].6	72.[illegible]	75.4	77.[illegible]	7[illegible]
5[illegible] 1200	43.5	43.[illegible]	59.5	62.3	6[illegible].7	72.1	74.2	77.2	78.5	[illegible]
5[illegible] 1000	44.4	44.[illegible]	61.3	64.1	70.4	74.3	76.1	79.2	[illegible]	[illegible]
5[illegible] [illegible]	44.[illegible]	47.1	61.3	64.5	70.9	74.7	76.4	[illegible]	81.7	[illegible]
5[illegible] 900	45.2	45.5	62.1	65.9	72.7	75.7	77.2	82.4	84.1	[illegible]
5[illegible] 700	45.7	46.[illegible]	62.7	66.5	73.7	77.7	80.3	83.7	85.4	87.
5[illegible] 600	45.7	45.[illegible]	62.[illegible]	66.9	74.0	78.3	81.1	84.4	86.3	[illegible]
5[illegible] 500	46.9	46.2	63.1	67.2	74.5	78.3	82.1	85.2	87.2	89.
5[illegible] 400	46.9	46.3	63.3	67.4	75.0	79.8	82.6	86.[illegible]	88.9	91.
5[illegible] 300	46.9	46.3	63.3	67.4	75.0	79.8	82.7	87.0	89.1	91.
5[illegible] 200	46.9	46.3	63.3	67.4	75.0	79.8	82.7	87.0	89.3	91.
5[illegible] 100	46.9	46.3	63.3	67.4	75.0	79.8	82.7	87.0	89.4	91.
5[illegible] 000	46.9	46.3	63.3	67.4	75.0	79.3	82.7	87.0	89.4	91.

TOTAL NUMBER OF OBSERVATIONS 900

FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

PERIOD RAF UK PERIOD OF RECORD: JUL 74 - JUN 84
MONTH: APR HOURS: 06-08

ILITY IN METERS GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
29.3	30.3	30.9	31.7	32.2	32.2	32.2	32.4	32.4	33.0
35.0	35.9	36.9	38.0	38.6	38.7	38.7	39.2	39.2	39.8
35.2	36.6	37.1	38.2	38.3	38.9	38.9	39.4	39.4	40.0
35.2	36.6	37.1	38.2	38.3	38.9	38.9	39.4	39.4	40.0
35.2	36.6	37.1	38.2	38.3	38.9	38.9	39.4	39.4	40.0
35.9	37.2	37.8	38.9	39.4	39.7	39.7	40.2	40.2	40.8
39.2	39.6	40.3	41.4	42.0	42.2	42.2	42.8	42.8	43.3
39.6	40.1	40.7	41.8	42.3	42.6	42.6	43.1	43.1	43.7
41.7	43.7	44.2	45.3	45.9	46.1	46.1	46.8	47.0	47.7
43.3	44.9	45.7	47.0	47.6	47.9	48.0	48.7	48.9	49.7
44.4	45.6	47.4	48.3	49.4	49.6	49.9	50.6	50.8	51.7
47.6	48.6	50.7	52.0	52.7	53.0	53.1	53.8	54.0	54.9
51.2	53.6	54.8	56.1	56.6	57.1	57.2	58.0	58.3	59.2
5[illegible].0	53.3	55.3	50.8	51.4	51.6	61.9	62.7	63.0	63.9
57.6	58.3	61.6	63.0	63.7	64.0	64.1	64.9	65.2	66.1
62.1	64.9	65.2	67.8	68.4	68.8	69.0	69.3	70.1	71.0
65.0	66.8	67.7	69.2	69.9	70.2	70.4	71.2	71.6	72.4
67.2	70.1	71.7	73.2	74.3	74.7	74.9	75.7	76.0	76.9
69.1	71.0	72.6	74.1	75.2	75.6	75.8	76.6	76.9	77.8
72.6	75.4	77.0	78.7	79.6	80.1	80.3	81.1	81.4	82.3
74.2	77.2	78.9	80.6	81.7	82.2	82.4	83.2	83.6	84.4
76.1	79.2	80.9	82.6	83.9	84.4	84.7	85.4	85.8	86.7
76.9	80.0	81.7	83.6	84.7	85.2	85.4	86.2	86.6	87.4
79.2	82.4	84.1	86.0	87.1	87.7	87.9	88.7	89.0	89.9
80.3	83.7	85.4	87.3	88.4	89.0	89.2	90.0	90.3	91.2
81.1	84.4	86.3	88.2	89.3	89.9	90.1	90.9	91.2	92.1
82.1	85.2	88.2	90.2	92.2	92.8	93.0	93.6	94.1	95.0
82.6	86.0	88.9	91.1	93.3	94.0	94.2	95.0	95.3	96.2
82.7	87.0	89.1	91.4	93.8	94.4	94.8	95.6	95.9	96.8
82.7	87.0	89.3	91.7	94.2	95.1	95.8	97.2	97.7	99.0
82.7	87.0	89.4	91.8	94.3	95.2	95.9	97.4	98.0	100.0
82.7	87.0	89.4	91.8	94.3	95.2	95.9	97.4	98.0	100.0

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OPERATING LOCATION "A"                      PERCENTAGE FREQUENCY OF OCCURRENCE OF
USAFETAC, ASHEVILLE NC                               FROM HOURLY OBSERVATIONS

STATION NUMBER: 35[illegible]3     STATION NAME: UPPER HEYFORD RAF UK
                                   LST TO UTC: - 0
..........................................................................
CEILING                                        VISIBILITY IN METERS
  IN       GE      GE      GE      GE      GE      GE      GE      GE      GE
 FEET      11[illegible]                   60      4[illegible]  40   32      24
..........................................................................

NO CEIL    19.0    19.4    22.1    23.0    24.4    25.2    25.4    26.1    26.2

GE 20000   24.2    24.2    2[illegible].5  29.0  32.5  33.1    33.4    34.0    34.1
GE 18000   24.3    24.3    2[illegible].7  30.0  32.7  33.2    33.5    34.1    34.2
GE 16000   24.4    24.2    2[illegible].7  30.0  32.7  33.2    33.6    34.1    34.2
GE 14000   24.     24.     2[illegible].7  30.   32.8  33.3    33.7    34.2    34.3
GE 12000   24.     24.     27.1    30.4    33.3    33.9    34.2    34.     34.

GE 10000   2[illegible].1  [illegible].1  31.3  32.2  35.3  35.3  35.2  37.0  37.1
GE  9000   2[illegible].1  35.1    31.     32.8    35.4    36.     35.     37.1    37.2
GE  8000   [illegible]  [illegible]  33.5  35.6  33.7      39.2    3[illegible].7  [illegible].4  [illegible]
GE  7000   33.7    35.     35.4    37.1    40.4    41.     41.7    42.4    42.
GE  6000   3[illegible].7  37.   3[illegible].7  39.3  41.   42.   43.   44.     44.1

GE  5000   37.7    38.     39.4    41.4    44.0    45.2    45.     47.3    47.4
GE  4500   38.     [illegible].1  43.1  45.   47.1    [illegible]  [illegible]  51.  51.
GE  4000   40.     4[illegible].7  4[illegible].5  51.2  5[illegible].3  [illegible].7  57.3  [illegible]  [illegible]
GE  3500   44.1    44.7    52.     58.4    59.7    61.1    61.     [illegible].1  [illegible]
GE  3000   [illegible]  [illegible]  [illegible].5  [illegible]  70.5  72.0  73.   74.    74.

GE  2500   [illegible].1  [illegible]  5[illegible].3  [illegible]  73.  75.   7[illegible]  77.  77.7
GE  2000   57.7    [illegible].3  [illegible].2  71.   76.4    77.    7[illegible].7  [illegible].4  [illegible]
GE  1800   [illegible].4  [illegible].1  60.5  72.4  77.6  79.    79.    81.     81.
GE  1500   61.1    61.     72.     76.7    83.4    83.0    85.0    85.     87.1
GE  1200   61.7    [illegible]  73.    7[illegible].2  84.4  85.0  87.1  [illegible]  89.2

GE  1000   62.1    [illegible]  74.5  78.5  85.2  87.0  88.2  91.0  91.3
GE   900   62.3    [illegible]  75.1  80.2  87.0  [illegible]  89.0  91.7  92.0
GE   800   62.     63.     75.7    81.0    87.3    89.7    91.3    93.1    93.
GE   700   62.7    63.4    76.1    81.7    88.3    90.0    92.5    94.3    95.
GE   600   62.7    63.4    76.4    82.1    89.3    91.4    93.3    95.2    95.

GE   500   62.7    63.4    76.4    82.3    89.     92.0    93.0    95.2    96.3
GE   400   62.7    63.4    76.4    82.3    89.3    92.1    94.0    96.3    97.1
GE   300   62.7    63.4    76.4    82.3    89.3    92.1    94.0    96.3    97.1
GE   200   62.7    63.4    76.4    82.3    89.3    92.1    94.0    96.3    97.1
GE   100   62.7    63.4    76.4    82.3    89.3    92.1    94.0    96.3    97.1

GE   000   62.7    63.4    76.4    82.3    89.3    92.1    94.0    96.3    97.1
..........................................................................

TOTAL NUMBER OF OBSERVATIONS    90[illegible]
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[illegible] FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

[illegible] PARK PERIOD OF RECORD: JUL 78 - JUN 83
MONTH: APR HOURS: 09-11

CEILING IN METERS										
	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 06	GE 05	GE 04	GE 00
.2	25.5	25.1	25.2	24.4	25.4	25.4	25.4	25.4	25.4	25.4
.1	33.4	34.2	34.1	34.3	34.3	34.3	34.3	34.3	34.3	34.3
.2	33.5	34.1	34.2	34.4	34.4	34.4	34.4	34.4	34.4	34.4
.2	33.5	34.1	34.2	34.4	34.4	34.4	34.4	34.4	34.4	34.4
.2	33.7	34.2	34.3	34.5	34.5	34.5	34.6	34.6	34.6	34.6
.2	34.2	34.8	34.9	35.1	35.1	35.1	35.1	35.1	35.1	35.1
.3	35.2	37.2	37.1	37.3	37.3	37.3	37.3	37.3	37.3	37.3
.2	35.3	37.1	37.2	37.4	37.4	37.4	37.4	37.4	37.4	37.4
.2	39.7	40.4	40.5	40.3	40.3	40.3	40.3	40.3	40.3	40.3
.2	41.7	42.4	42.5	42.3	42.4	42.3	42.3	42.3	42.3	42.3
.	43.2	44.2	44.1	44.3	44.3	44.3	44.3	44.3	44.3	44.4
.	46.5	47.3	47.4	47.7	47.7	47.7	47.5	47.5	47.5	47.9
.5	[illegible]	51.6	51.8	52.3	52.2	52.2	52.1	52.1	52.1	52.3
.2	57.5	58.6	58.7	59.3	59.3	59.3	59.4	59.4	59.4	59.7
.2	61.2	63.1	63.4	63.9	63.9	63.9	64.0	64.0	64.0	64.2
.	72.4	74.2	74.3	74.5	74.8	74.8	74.9	74.9	74.9	75.1
.	76.7	77.3	77.7	78.1	78.1	78.1	78.2	78.2	78.2	78.4
.4	78.7	80.4	80.5	81.2	81.3	81.3	81.4	81.4	81.4	81.7
.	78.4	81.5	81.9	82.3	82.4	82.4	82.5	82.5	82.6	82.8
.3	35.5	36.3	37.1	37.5	37.7	37.7	37.8	37.8	37.8	38.0
.2	37.1	38.9	39.2	39.7	39.5	39.8	39.9	39.9	39.9	40.1
.3	84.2	91.0	91.3	91.5	92.0	92.0	92.1	92.1	92.1	92.3
.2	89.9	91.7	92.0	92.4	92.7	92.7	92.8	92.8	92.8	93.0
.2	91.5	93.1	93.6	94.0	94.2	94.2	94.3	94.3	94.3	94.5
.2	92.5	94.3	94.8	95.2	95.5	95.5	95.7	95.7	95.7	95.9
1.4	93.3	95.2	95.8	96.2	96.5	96.5	96.7	96.7	96.7	96.9
.1	93.4	95.2	96.9	97.4	97.9	98.0	98.1	98.1	98.1	98.3
.1	94.3	96.3	97.1	97.8	98.3	98.5	98.7	98.7	98.7	98.9
.1	94.0	96.3	97.1	97.8	98.6	98.9	99.1	99.1	99.1	99.3
.1	94.0	96.3	97.1	97.8	98.7	99.1	99.3	99.3	99.4	99.8
.1	94.0	96.3	97.1	97.8	98.7	99.1	99.3	99.5	99.7	100.0
.1	94.0	96.3	97.1	97.8	98.7	99.1	99.3	99.5	99.7	100.0

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OPERATING LOCATION "A"                          PERCENTAGE FREQUENCY OF OCCURRENCE OF
[illegible], ASHEVILLE NC                                      FROM HOURLY OBSERVATI

STATION NUMBER: [illegible]3    STATION NAME: UPPER HEYFORD RAF UK                  [illegible]
                                EST TO UTC: - 0                                    [illegible]

.............................................................................................
CEILING                                                    VISIBILITY IN METERS
 IN                                 GE       GE       GE       GE       GE       GE
FEET        11?                     5?       4?       40       32       24                 1
.............................................................................................

NO CEIL     1?.1     1?.?     ?0.7     21.0     21.4     21.4     21.6     21.7     21.7     21

GE [illegible]  [illegible]  [illegible]  ??.1  ??.?  29.9  [illegible]  [illegible]  3?.7  [illegible]  3?
GE 1[illegible]  ?.7  27.1  ?9.4  29.9  30.2  30.5  30.7  31.?  31.?  31
GE 1[illegible]  2?.7  27.1  2?.?  29.?  30.2  30.?  30.7  31.?  31.?  31
GE 14[illegible]  ?.7  ?7.1  ??.?  29.?  30.2  30.?  30.7  31.0  31.2  31
GE 1[illegible]  ?7.?  ??.?  ?.?  30.?  31.0  31.3  31.4  31.?  32.?  3?

GE 1[illegible]  2?.?  ??.?  32.1  32.4  32.?  33.2  33.3  3?.7  3?.?  3?
GE [illegible]  ?.  ?.3  32.4  32.?  33.2  33.?  33.7  ?.?  ?.?  ?4
GE [illegible]  3?.?  ??.1  ??.7  37.1  37.7  3?.?  ?.1  ?.?  3?.7  ??
GE 7[illegible]  33.?  3?.?  37.?  3?.?  33.?  ??.?  3?.?  3?.3  3?.?  3?
GE [illegible]  ??.?  ??.?  ??.?  3?.1  3?.7  40.?  ??.1  40.?  4?.7  4?

GE [illegible]  ?.?  ?.?  43.?  44.1  44.7  4?.?  4?.?  ?.?  ?.?  ?
GE [illegible]  4?.  4?.?  4?.?  4?.?  4?.?  4?.?  4?.?  ??.1  ??.3
GE 4[illegible]  ?.?  ?1.?  ?.?  ?7.?  ?3.?  ?3.3  ??.?  ??.?  ??.2  ??
GE 3[illegible]  ?.?  ?.?  ??.?  ??.?  5?.?  57.2  57.4  ?7.?  ??.?  ?
GE 3[illegible]  ?.?  71.?  7?.?  ??.2  ??.2  ??.7  ??.?  ?3.3  ??.?  ??

GE [illegible]  7?.?  7?.?  ??.4  ??.?  ??.3  ??.?  ?7.?  ??.4  ?7.7  7
GE [illegible]  7?.?  7?.?  ??.?  ??.7  3?.?  ??.7  ??.?  ??.4  ??.7  ??
GE 1[illegible]  7?.  7?.?  ??.?  ?7.2  ?0.?  ??.3  ??.7  ?1.1  ?1.3  ?1
GE 1[illegible]  7?.1  7?.?  ??.?  ??.?  91.?  92.4  92.?  ?3.?  ??.?  ??
GE 1[illegible]  7?.?  7?.?  ??.?  ??.2  93.1  94.?  94.?  95.?  ??.?  ??

GE 1[illegible]  7?.?  7?.?  ?.?  ??.?  ??.?  ??.?  ??.?  ??.?  ??.7  ??
GE [illegible]  7?.?  7?.?  ??.?  91.7  ?5.?  ??.?  ??.?  ?7.?  ??.?  ??
GE [illegible]  7?.7  7?.1  ??.7  ??.3  ?5.?  ?7.1  ?7.7  ??.1  ??.?  ?
GE 70?  7?.?  7?.?  ??.?  92.4  ??.?  ?7.?  ?7.?  ??.3  ??.?  ?
GE [illegible]  7?.?  7?.?  ??.?  ?2.?  ??.?  ??.1  ??.7  ??.1  ??.?  ??

GE [illegible]  7?.  7?.?  ??.?  ?2.?  ?5.5  ??.1  ??.7  ??.4  1??.?  1??
GE 4[illegible]  7?.  7?.2  ??.?  ?2.?  ?5.5  ?8.1  ?8.7  ??.4  1??.?  1??
GE 3[illegible]  7?.?  7?.?  ??.?  92.?  ??.?  ??.1  ??.7  ??.4  1??.?  1??
GE 2?0  7?.?  7?.?  ??.?  92.?  ??.5  ??.1  ??.7  ??.4  100.?  1??
GE 1?0  7?.?  7?.?  ??.?  92.?  ??.5  ??.1  ??.7  ??.4  100.?  1??

GE [illegible]  7?.?  7?.?  ??.?  ?2.?  ??.?  ??.1  ??.7  ??.4  1??.?  1??
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TOTAL NUMBER OF OBSERVATIONS    ??0
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CENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

N HEYFORD RAF UK PERIOD OF RECORD: JUL 78 - JUN 88
MONTH: APR HOURS: 12-14

VISIBILITY IN METERS

GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
21.4	21.6	21.7	21.7	21.7	21.7	21.7	21.7	21.7	21.7	21.7
30.2	30.5	30.7	30.9	30.9	30.9	30.9	30.9	30.9	30.9	30.9
30.5	30.7	31.0	31.2	31.2	31.2	31.2	31.2	31.2	31.2	31.2
30.5	30.7	31.0	31.2	31.2	31.2	31.2	31.2	31.2	31.2	31.2
30.5	30.7	31.0	31.2	31.2	31.2	31.2	31.2	31.2	31.2	31.2
31.3	31.4	31.8	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0
33.2	33.3	33.7	33.9	33.9	33.9	33.9	33.9	33.9	33.9	33.9
33.5	33.7	34.0	34.2	34.2	34.2	34.2	34.2	34.2	34.2	34.2
[illegible]	36.1	36.4	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7
[illegible]	39.0	39.3	39.6	39.6	39.6	39.6	39.6	39.6	39.6	39.6
[illegible]	40.1	40.4	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7
[illegible]	45.2	[illegible]	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3
[illegible]	[illegible]	50.1	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3
[illegible]	[illegible]	60.0	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2
67.2	67.4	67.9	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1
[illegible]	82.9	83.3	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6
[illegible]	87.0	87.4	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
89.7	90.0	90.4	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7
90.3	90.7	91.1	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
92.4	92.9	93.3	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
[illegible]	94.5	95.0	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2
95.2	[illegible]	96.2	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
[illegible]	96.5	97.0	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
97.1	97.7	98.1	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
97.3	97.9	98.3	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
98.1	98.7	99.1	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
98.1	98.7	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
98.1	98.7	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
98.1	98.7	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
98.1	98.7	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
98.1	98.7	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
98.1	98.7	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEIL
FROM HOURLY OBSERVATIONS

STATION NUMBER: 35563 STATION NAME: UPPER HEYFORD RAF UK
LST TO UTC: - 0

PERIOD
MONTH:

CEILING IN FEET	VISIBILITY IN METERS GE 112	GE [illegible]	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16
NO CEIL	23.1	23.6	25.1	25.4	25.5	25.6	25.6	25.6	25.6	25.6
GE 20000	33.1	33.6	35.1	35.5	35.7	35.9	37.0	37.0	37.0	37.0
GE 18000	33.5	34.0	35.5	37.0	37.1	37.3	37.7	37.7	37.7	37.7
GE 16000	33.5	34.0	35.5	37.0	37.1	37.3	37.7	37.7	37.7	37.7
GE 14000	33.9	34.3	35.9	37.3	37.4	37.7	38.0	38.0	38.0	38.0
GE 12000	34.0	34.4	37.0	37.4	37.9	38.1	38.6	38.6	38.6	38.6
GE 10000	36.0	36.7	39.5	40.1	40.6	40.9	41.4	41.4	41.4	41.4
GE 9000	36.7	37.1	40.3	40.9	41.3	41.7	42.2	42.2	42.2	42.2
GE 8000	40.3	40.9	44.2	44.6	45.7	46.0	46.5	46.6	46.6	46.6
GE 7000	41.4	42.0	45.0	46.0	47.7	48.0	48.5	48.5	48.6	48.6
GE 6000	43.3	43.9	47.4	48.0	49.3	50.1	50.7	50.7	50.7	50.7
GE 5000	4[illegible]	[illegible]	53.0	54.0	55.3	55.7	56.2	56.2	56.2	56.2
GE 4500	[illegible]	[illegible]	57.1	[illegible]	62.1	62.4	63.0	63.0	63.0	63.0
GE 4000	[illegible]	61.3	67.5	69.3	70.9	71.2	71.4	71.4	71.4	71.
GE 3500	[illegible]	67.7	74.4	75.4	75.0	7[illegible].3	7[illegible]	7[illegible]	7[illegible]	7[illegible]
GE 3000	74.5	75.2	83.1	86.7	87.4	87.7	88.3	88.3	88.3	88.3
GE 2500	75.5	76.4	85.3	88.5	90.7	91.2	91.7	91.7	91.7	91.7
GE 2000	76.7	77.7	87.2	90.1	92.4	93.3	94.0	94.0	94.0	94.0
GE 1800	76.7	77.7	87.2	90.1	92.5	93.4	94.1	94.1	94.1	94.1
GE 1500	77.3	78.3	88.3	91.3	93.9	94.9	95.9	95.9	95.9	95.
GE 1200	77.5	78.5	89.0	92.3	95.2	96.1	97.1	97.1	97.1	97.1
GE 1000	77.7	78.7	89.2	92.7	95.3	96.4	97.5	97.9	98.2	98.2
GE 900	78.0	79.0	89.5	93.0	96.2	97.1	98.1	98.2	98.5	98.5
GE 800	78.3	79.3	89.9	93.5	96.8	97.7	98.7	98.9	99.1	99.1
GE 700	78.3	79.3	89.9	93.6	96.8	97.7	98.9	99.0	99.2	99.2
GE 600	78.3	79.3	89.9	93.6	96.9	97.9	99.0	99.1	99.6	99.6
GE 500	78.3	79.3	89.9	93.6	97.1	98.0	99.2	99.4	99.9	99.9
GE 400	78.3	79.3	89.9	93.6	97.1	98.0	99.2	99.4	99.9	99.9
GE 300	78.3	79.3	89.9	93.6	97.1	98.0	99.2	99.4	99.9	99.9
GE 200	78.3	79.3	89.9	93.6	97.1	98.0	99.2	99.4	99.9	99.9
GE 100	78.3	79.3	89.9	93.6	97.1	98.0	99.2	99.4	99.9	99.9
GE 000	78.3	79.3	89.9	93.6	97.1	98.0	99.2	99.4	99.9	99.9

TOTAL NUMBER OF OBSERVATIONS 90[illegible]

FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

FORD RAF UK PERIOD OF RECORD: JUL 78 - JUN 88
MONTH: APR HOURS: 15-17

ILITY IN METERS

GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
25.8	25.8	25.8	25.8	25.8	25.8	25.8	25.8	25.8	25.8
37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2
37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7
37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7
38.0	38.0	38.0	38.0	38.0	38.0	38.0	38.0	38.0	38.0
38.6	38.6	38.6	38.6	38.6	38.6	38.6	38.6	38.6	38.6
41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4
42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2
46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6
48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6
50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7
56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2
63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0
71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8
78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9
88.3	88.3	88.3	88.3	88.4	88.4	88.4	88.4	88.4	88.4
91.9	91.9	91.9	91.9	92.0	92.0	92.0	92.0	92.0	92.0
94.0	94.0	94.0	94.0	94.1	94.1	94.1	94.1	94.1	94.1
94.1	94.1	94.1	94.1	94.2	94.2	94.2	94.2	94.2	94.2
95.8	95.8	95.8	95.8	95.9	95.9	95.9	95.9	95.9	95.9
97.1	97.1	97.1	97.1	97.2	97.2	97.2	97.2	97.2	97.2
97.[illegible]	97.9	98.2	98.2	98.3	98.3	98.3	98.3	98.3	98.3
98.1	98.2	98.6	98.6	98.7	98.7	98.7	98.7	98.7	98.7
98.7	98.9	99.1	99.1	99.2	99.2	99.2	99.2	99.2	99.2
98.[illegible]	98.9	99.2	99.2	99.3	99.3	99.3	99.3	99.3	99.3
99.0	99.1	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7
99.2	99.4	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
99.2	99.4	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
99.2	99.4	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
99.2	99.4	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
99.2	99.4	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
99.2	99.4	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0

OPERATING LOCATION "A"
USAARTAC, ASHEVILLE, NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF C
FROM HOURLY OBSERVATIONS

STATION NUMBER: 36553 STATION NAME: UPPER HEYFORD RAF UK
LST TO UTC: - 0

CEILING IN FEET	VISIBILITY IN METERS 37 112	36	35 40	34 50	33	32	31 32	30 24	29	28 16
37 CEIL	31.3	31.4	34.1	35.0	35.8	35.9	35.2	36.0	35.1	35.7
36 20000	39.1	39.3	43.2	44.2	45.3	45.5	45.3	45.5	45.4	45.7
35 15000	39.4	39.7	43.5	44.5	45.7	45.7	45.1	45.1	45.2	45.3
34 15000	39.4	39.7	43.5	44.5	45.7	45.4	45.1	45.1	45.2	45.3
33 14000	39.5	39.7	43.7	44.7	45.9	45.1	45.3	45.3	45.4	45.5
32 13000	39.7	39.9	43.9	45.2	46.1	45.3	45.5	45.5	45.7	45.8
31 12000	41.2	42.1	45.5	47.7	48.8	48.9	48.2	48.2	48.3	48.4
30 10000	42.2	42.5	47.3	49.4	49.5	49.3	50.0	50.1	50.2	50.3
29 9000	45.3	45.5	51.3	53.5	54.5	54.4	55.0	55.2	55.3	55.4
28 7000	46.2	47.4	53.0	55.3	56.4	56.2	56.5	56.5	56.9	57.0
27 6000	48.6	49.7	54.5	56.9	57.9	58.1	58.4	58.7	58.[illegible]	[illegible]
26 5000	50.1	52.4	58.7	60.1	62.2	62.3	62.7	63.7	63.1	63.7
25 4000	57.5	59.4	65.5	67.5	70.0	70.5	70.7	71.3	71.6	71.[illegible]
24 4000	64.1	64.8	70.7	75.1	76.5	76.5	77.[illegible]	77.6	[illegible]	[illegible].1
23 3500	67.3	67.7	75.4	79.3	82.2	82.9	83.4	84.0	84.4	84.[illegible]
22 3000	72.3	72.2	81.	84.3	87.3	88.0	88.5	89.1	89.5	89.7
21 2500	77.[illegible]	78.[illegible]	82.5	85.2	88.3	89.1	89.[illegible]	90.6	91.2	91.[illegible]
20 2000	73.2	74.2	83.7	85.4	89.7	90.6	91.3	92.0	92.7	92.
19 1500	77.7	78.5	84.2	85.5	90.0	90.9	91.7	92.3	93.[illegible]	93.1
18 1500	78.4	79.3	85.0	85.3	91.5	92.7	93.4	94.1	94.[illegible]	94.[illegible]
17 1200	78.3	79.2	85.5	88.3	93.3	94.2	95.1	95.7	95.3	95.4
16 1000	78.[illegible]	79.1	85.9	89.7	94.0	94.9	95.9	96.4	97.2	97.[illegible]
15 900	78.2	79.1	85.9	89.3	94.1	95.3	96.2	96.7	97.3	97.6
14 800	78.2	79.1	85.9	89.8	94.3	95.2	96.2	96.9	97.5	97.7
13 700	78.3	79.3	87.7	90.5	95.2	95.1	97.1	97.9	98.5	98.7
12 600	78.1	77.0	87.3	90.7	95.3	95.2	97.2	98.0	98.7	98.[illegible]
11 500	78.1	77.0	88.0	90.9	95.7	96.4	97.3	98.5	99.2	99.5
10 400	78.1	77.0	88.0	90.9	95.7	95.3	97.3	98.7	99.3	99.4
09 300	78.1	77.0	88.0	90.9	95.7	96.9	97.9	98.5	99.4	99.6
08 200	78.1	77.0	88.0	90.9	95.7	96.9	97.9	98.4	99.4	99.5
07 100	78.1	77.0	88.0	90.9	95.7	96.9	97.9	98.5	99.4	99.5
06 000	78.1	77.0	88.0	90.9	95.7	96.9	97.9	98.5	99.4	99.5

TOTAL NUMBER OF OBSERVATIONS 900

FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

[illegible] RAF UK PERIOD OF RECORD: JUL 78 - JUN 88
MONTH: APR HOURS: 18-20

ILITY IN METERS	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 06	GE 05	GE 04	GE 00
	35.0	36.0	35.1	35.2	36.2	36.2	36.2	36.2	36.2	36.2
	45.3	45.3	45.9	46.0	46.0	46.0	46.0	46.0	46.0	46.0
	45.1	45.1	45.2	46.3	46.3	46.3	46.3	46.3	46.3	46.3
	45.1	45.1	45.2	46.3	46.3	46.3	46.3	46.3	46.3	46.3
	45.3	45.3	45.4	46.5	46.5	46.5	46.6	46.5	46.5	46.6
	46.5	46.5	46.7	46.8	46.8	46.8	46.8	46.8	46.8	46.8
	49.2	49.2	49.3	49.4	49.4	49.4	49.4	49.4	49.4	49.4
	50.0	50.1	50.2	50.3	50.3	50.3	50.3	50.3	50.3	50.3
	55.0	55.2	55.3	55.4	55.4	55.4	55.4	55.4	55.4	55.4
	56.5	56.8	56.9	57.0	57.0	57.0	57.0	57.0	57.0	57.0
	58.4	58.7	58.8	58.9	58.9	58.9	58.9	58.9	58.9	58.9
	62.7	63.0	63.1	63.2	63.2	63.2	63.2	63.2	63.2	63.2
	70.9	71.3	71.4	71.5	71.6	71.6	71.6	71.6	71.6	71.6
	79.8	79.9	80.0	80.1	80.1	80.1	80.1	80.1	80.1	80.1
	83.4	84.0	84.4	84.5	84.5	84.6	84.6	84.5	84.6	84.6
	86.5	89.1	89.6	89.7	89.7	89.7	89.7	89.7	89.7	89.7
	89.7	90.6	91.2	91.3	91.3	91.3	91.3	91.3	91.3	91.3
	91.8	92.0	92.7	92.8	92.8	92.8	92.8	92.8	92.8	92.8
	91.7	92.3	93.0	93.1	93.1	93.1	93.1	93.1	93.1	93.1
	93.4	94.1	94.8	94.9	94.9	94.9	94.9	94.9	94.9	94.9
	95.7	95.7	96.3	96.4	96.4	96.4	96.4	96.4	96.4	96.4
	96.0	96.6	97.2	97.3	97.3	97.3	97.3	97.3	97.3	97.3
	96.0	96.7	97.3	97.4	97.4	97.4	97.4	97.4	97.4	97.4
	96.2	96.9	97.6	97.7	97.7	97.7	97.7	97.7	97.7	97.7
	97.1	97.9	98.6	98.7	98.7	98.7	98.7	98.7	98.7	98.7
	97.2	98.0	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8
	97.5	98.5	99.2	99.3	99.6	99.8	99.8	99.8	99.8	99.8
	97.8	98.7	99.3	99.4	99.7	99.9	99.9	99.9	99.9	99.9
	97.9	98.5	99.4	99.6	99.8	100.0	100.0	100.0	100.0	100.0
	97.9	98.8	99.4	99.6	99.8	100.0	100.0	100.0	100.0	100.0
	97.9	98.8	99.4	99.6	99.8	100.0	100.0	100.0	100.0	100.0
	97.9	98.8	99.4	99.6	99.8	100.0	100.0	100.0	100.0	100.0

OPERATING LOCATION "A" PERCENTAGE FREQUENCY OF OCCURRENCE OF
USAFETAC, ASHEVILLE, NC ALL HOURLY OBSERVATIONS

STATION NUMBER: 36683 STATION NAME: UPPER HEYWOOD GAP NC PERI
LST TO UTC: - 0 MONT

CEILING IN FEET	10	9	8	7	6	5	4	3	2	1	0
	VISIBILITY IN METERS										
	10000	9000	8000	7000	6000	5000	4000	3200	2400	1600	800
ALL CEIL	47.3	47.5	49.3	47.9	47.5	47.9	48.0	48.0	48.0	48.0	48.
30000	47.4	49.4	52.1	52.5	53.7	54.0	54.1	54.1	54.1	54.1	54.
15000	47.4	49.4	52.1	52.3	53.7	54.0	54.1	54.1	54.1	54.1	54.
10000	47.3	49.4	52.1	52.3	53.7	54.0	54.1	54.1	54.1	54.1	54.
6000	47.3	49.4	52.1	52.8	53.7	54.0	54.1	54.1	54.1	54.1	54.
3000	46.2	47.4	52.5	53.2	54.1	54.4	54.6	54.6	54.6	54.6	54.
2000	44.[illegible]	52.8	54.5	55.3	55.2	55.5	55.7	55.7	55.7	55.7	55.
1500	[illegible]	52.8	55.3	55.1	57.3	57.3	57.4	57.4	57.4	57.4	57.
1000	44.1	54.2	57.3	61.1	62.1	62.4	62.5	62.5	62.5	62.5	62.
700	44.7	54.4	59.7	62.3	63.3	63.7	64.1	64.1	64.1	64.1	64.
500	45.5	55.3	61.8	63.2	64.2	64.5	65.0	65.0	65.0	65.0	65.
300	45.7	56.4	64.3	66.3	67.3	68.5	69.0	69.1	69.1	69.1	69.
200	45.[illegible]	56.[illegible]	66.3	71.8	73.7	74.4	75.1	75.2	75.2	75.2	75.
150	45.[illegible]	56.3	72.3	75.0	77.3	78.5	79.2	79.4	79.4	79.4	79.
100	45.[illegible]	57.[illegible]	74.7	77.3	79.7	81.0	81.7	81.8	81.9	81.9	82.
50	45.[illegible]	71.2	73.9	79.5	81.4	84.0	85.3	85.9	86.2	86.2	86.
0	45.[illegible]	73.1	73.1	73.6	82.9	85.2	86.7	87.3	87.6	87.7	88.
0	45.[illegible]	74.2	75.2	81.9	84.3	87.6	89.3	89.7	89.9	89.9	90.
0	45.[illegible]	74.4	75.9	82.9	85.2	87.9	89.3	90.9	91.2	91.3	92.
0	45.[illegible]	75.7	75.7	83.5	85.5	88.4	90.9	91.6	91.9	91.9	92.
0	1200	76.1	77.1	84.3	87.3	90.3	91.9	92.6	92.9	93.0	93.
0	1000	77.0	78.1	85.1	89.1	92.4	94.2	94.7	95.1	95.5	96.
0	900	77.3	78.4	85.4	89.4	92.9	94.5	95.2	95.4	95.9	96.
0	800	77.[illegible]	78.9	87.0	90.3	93.8	95.5	96.5	96.7	97.1	97.
0	700	78.2	79.5	87.7	91.0	94.4	96.2	97.0	97.3	97.9	98.
0	600	78.3	79.4	87.8	91.2	94.8	96.6	97.3	97.7	98.1	98.
0	500	78.5	79.7	88.3	91.3	95.4	97.2	98.1	98.5	99.0	99.
0	400	78.5	79.7	88.3	91.3	95.4	97.2	98.1	98.6	99.0	99.
0	300	78.6	79.7	88.3	91.3	95.4	97.3	98.2	98.7	99.1	99.
0	200	78.6	79.7	88.3	91.3	95.4	97.3	98.2	98.7	99.2	99.
0	100	78.6	79.7	88.3	91.3	95.4	97.3	98.2	98.7	99.2	99.
0	000	78.6	79.7	88.3	91.3	95.4	97.3	98.2	98.7	99.2	99.

TOTAL NUMBER OF OBSERVATIONS 900

FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

YEARS RAF UK PERIOD OF RECORD: JUL 78 - JUN 88
MONTH: APR HOURS: 21-23

ILITY IN METERS	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0
	54.1	54.1	54.1	54.3	54.4	54.4	54.4	54.4	54.4	54.4
	54.1	54.1	54.1	54.3	54.4	54.4	54.4	54.4	54.4	54.4
	54.1	54.1	54.1	54.3	54.4	54.4	54.4	54.4	54.4	54.4
	54.1	54.1	54.1	54.3	54.4	54.4	54.4	54.4	54.4	54.4
	54.5	54.5	54.5	54.9	54.9	54.9	54.9	54.9	54.9	54.9
	55.7	55.7	55.7	55.9	57.0	57.0	57.0	57.0	57.0	57.0
	57.4	57.4	57.4	57.7	57.8	57.8	57.8	57.8	57.8	57.8
	62.5	62.5	62.5	62.8	62.9	62.9	62.9	62.9	62.9	62.9
	64.1	64.1	64.1	64.3	64.4	64.4	64.4	64.4	64.4	64.4
	65.0	65.0	65.0	65.2	65.3	65.3	65.3	65.3	65.3	65.3
	69.0	69.1	69.1	69.4	69.6	69.6	69.6	69.6	69.6	69.6
	75.1	75.2	75.2	75.5	75.7	75.7	75.7	75.7	75.7	75.7
	79.2	79.4	79.4	79.8	79.9	79.9	79.9	79.9	79.9	79.9
	81.7	81.9	81.9	82.2	82.3	82.3	82.3	82.3	82.3	82.3
	85.0	86.2	86.2	86.5	86.7	86.7	86.7	86.7	86.7	86.7
	87.3	87.6	87.7	88.0	88.1	88.1	88.1	88.1	88.1	88.1
	89.7	89.9	90.0	90.3	90.4	90.4	90.4	90.4	90.4	90.4
	90.0	90.2	90.3	90.7	90.8	90.8	90.8	90.8	90.8	90.8
	91.6	91.8	91.9	92.2	92.3	92.3	92.3	92.3	92.3	92.3
	92.6	92.8	93.0	93.3	93.4	93.4	93.4	93.4	93.4	93.4
	94.9	95.1	95.5	95.9	96.0	96.0	96.0	96.0	96.0	96.0
	95.2	95.4	95.9	96.2	96.3	96.3	96.3	96.3	96.3	96.3
	95.3	95.7	97.1	97.6	97.7	97.7	97.7	97.7	97.7	97.7
	97.0	97.3	97.9	98.2	98.3	98.3	98.3	98.3	98.3	98.3
	97.3	97.7	98.1	98.6	98.7	98.7	98.7	98.7	98.7	98.7
	98.1	98.6	99.0	99.4	99.8	99.8	99.8	99.8	99.8	99.8
	98.1	98.6	99.0	99.4	99.8	99.8	99.8	99.8	99.8	99.8
	98.2	98.7	99.1	99.6	99.9	99.9	99.9	99.9	99.9	99.9
	98.2	98.7	99.2	99.7	100.0	100.0	100.0	100.0	100.0	100.0
	98.2	98.7	99.2	99.7	100.0	100.0	100.0	100.0	100.0	100.0
	98.2	98.7	99.2	99.7	100.0	100.0	100.0	100.0	100.0	100.0

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE, NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF
FIVE HOURLY OBSERVATIONS

STATION NUMBER: [illegible] STATION NAME: UPPER HAYRESVILLE RAP UP
LST TO UTC: - 0

CEILING IN FEET	VISIBILITY IN MILES 11	9	8	7	6	5	4	3	2	1
NO CEIL	26.9	27.9	29.9	31.7	33.6	33.7	34.1	34.4	34.6	34.
20000	32.6	33.6	37.4	39.4	40.5	41.0	41.0	42.0	42.2	42.
15000	32.	33.1	37.5	39.5	40.7	41.2	41.7	42.2	42.3	42.
10000	32.	33.1	37.5	39.5	40.7	41.2	41.7	42.2	42.3	42.
6000	32.7	33.2	37.5	39.7	40.8	41.3	41.9	42.3	42.4	42.
5000	33.2	33.6	37.8	39.1	41.2	41.8	42.3	42.3	42.9	43.
4000	34.7	35.1	40.0	41.2	43.4	44.0	44.5	45.1	45.3	45.
3000	34.9	35.3	40.4	41.9	43.9	44.4	45.0	45.5	45.7	45.
2500	35.1	35.5	44.1	45.4	47.9	48.5	49.2	49.8	50.7	.
2000	37.5	39.4	45.2	46.5	49.2	49.9	50.6	51.2	51.4	51.
1500	38.7	40.3	46.2	47.4	50.4	51.1	51.8	52.5	52.7	53.
1000	42.5	43.4	48.5	51.0	54.3	55.1	55.9	56.7	56.9	57.
800	46.5	47.5	54.1	55.8	59.2	60.2	61.1	61.9	62.7	3.
600	51.5	51.9	59.5	61.4	65.3	66.5	67.5	68.4	69.1	69.
500	54.5	55.8	63.6	65.6	69.4	70.7	71.9	72.7	73.1	73.
400	61.2	61.9	69.9	72.5	75.4	77.7	78.3	79.9	80.2	80.
300	61.5	62.4	71.3	74.5	78.5	80.0	81.2	82.2	82.5	82.
200	63.2	63.9	73.5	76.7	80.9	82.4	83.7	84.9	85.2	86.
150	63.5	64.4	74.3	77.2	81.5	83.0	84.2	85.4	85.7	86.
100	65.1	65.9	75.4	78.5	84.0	85.6	87.0	88.1	88.5	8.
50	65.5	66.4	77.3	80.5	86.4	87.1	88.5	89.6	90.1	9.
30	66.2	67.0	78.2	81.7	85.9	89.5	91.0	91.2	91.9	92.
20	66.5	67.0	78.7	82.2	87.3	89.1	90.5	91.9	92.4	92.
15	67.0	67.4	79.3	83.1	88.5	90.4	92.0	93.2	93.6	94.
10	67.5	68.1	79.8	83.6	89.1	91.1	92.7	94.0	94.7	95.
5	67.3	68.2	79.9	83.9	89.4	91.4	93.2	94.5	95.3	95.
0	67.5	68.4	80.2	84.2	90.2	92.3	94.1	95.5	96.5	97.
900	67.5	68.4	80.3	84.3	90.3	92.4	94.2	96.1	97.0	97.
800	67.5	68.4	80.3	84.3	90.3	92.5	94.4	96.4	97.3	97.
600	67.5	68.4	80.3	84.3	90.3	92.5	94.4	96.4	97.3	97.
400	67.5	68.4	80.3	84.3	90.3	92.5	94.4	96.4	97.4	97.
300	67.5	68.4	80.3	84.3	90.3	92.5	94.4	96.4	97.4	97.

TOTAL NUMBER OF OBSERVATIONS 7200

FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

YEOVILTON RAF UK PERIOD OF RECORD: JUL 78 - JUN 88
MONTH: APR HOURS: ALL

ILITY IN METERS									
GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
34.1	34.4	34.6	34.8	34.9	34.9	34.9	35.0	35.0	35.1
41.6	42.0	42.2	42.5	42.6	42.6	42.7	42.8	42.8	42.9
41.7	42.2	42.3	42.7	42.8	42.8	42.8	42.9	43.0	43.1
41.7	42.2	42.3	42.7	42.8	42.8	42.8	42.9	43.0	43.1
41.8	42.3	42.4	42.8	42.9	42.9	43.0	43.0	43.1	43.2
42.3	42.8	42.9	43.3	43.4	43.4	43.5	43.6	43.6	43.7
44.5	45.1	45.3	45.6	45.7	45.7	45.8	45.9	45.9	46.0
45.2	45.5	45.7	46.0	46.1	46.2	46.2	46.3	46.3	46.5
49.2	49.8	50.2	50.3	50.4	50.5	50.5	50.6	50.7	50.8
50.6	51.2	51.4	51.8	51.9	51.9	52.0	52.1	52.2	52.3
51.9	52.5	52.9	53.2	53.3	53.4	53.4	53.5	53.6	53.8
56.9	56.7	56.9	57.3	57.5	57.5	57.6	57.7	57.8	58.0
61.1	61.9	62.2	62.6	62.7	62.8	62.8	62.9	63.1	63.3
67.8	68.4	68.8	69.2	69.4	69.4	69.5	69.6	69.7	69.9
71.8	72.7	73.1	73.5	73.7	73.7	73.8	73.9	74.0	74.2
79.3	79.8	80.2	80.5	80.8	80.8	80.9	81.0	81.2	81.4
82.2	82.2	82.6	83.0	83.2	83.3	83.3	83.5	83.6	83.8
83.7	84.8	85.2	85.7	85.9	86.0	86.1	86.2	86.3	86.5
84.2	85.4	85.8	86.3	86.5	86.6	86.7	86.8	86.9	87.1
87.0	88.1	88.6	89.1	89.3	89.3	89.5	89.6	89.7	89.9
88.5	89.6	90.1	90.6	90.8	90.9	91.0	91.1	91.3	91.5
90.0	91.2	91.8	92.3	92.6	92.6	92.8	92.9	93.0	93.2
90.5	91.8	92.4	92.9	93.2	93.3	93.4	93.5	93.6	93.8
92.0	93.2	93.8	94.4	94.6	94.7	94.8	94.9	95.1	95.3
92.7	94.0	94.7	95.2	95.5	95.6	95.7	95.8	95.9	96.1
93.2	94.6	95.3	95.8	96.1	96.2	96.3	96.4	96.5	96.7
94.1	95.8	96.5	97.2	97.7	97.8	97.9	98.0	98.2	98.4
94.2	96.1	97.0	97.6	98.2	98.4	98.5	98.6	98.7	98.9
94.4	96.4	97.3	97.9	98.6	98.8	98.9	99.1	99.2	99.4
94.4	96.4	97.3	98.0	98.8	99.0	99.2	99.4	99.6	99.8
94.4	96.4	97.4	98.0	98.8	99.0	99.2	99.5	99.6	100.0
94.4	96.4	97.4	98.0	98.8	99.0	99.2	99.5	99.6	100.0

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE, NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF
FROM HOURLY OBSERVATIONS

STATION NUMBER: 3[illegible] STATION NAME: UPPER HEYFORD [illegible] UK
LST TO UTC: - 0

CEILING IN FEET	9+	9	8	7	6	5	4	3	2	1
	112	99	89	79	69	59	49	39	29	19
00 CEIL	35.3	37.3	41.7	43.5	45.7	46.1	46.3	46.6	47.0	47
6[illegible] [illegible]	33.4	35.[illegible]	45.1	47.0	49.9	50.4	50.5	51.0	51.[illegible]	51
3[illegible] 1[illegible]	33.4	33.4	45.1	47.0	49.9	50.5	50.9	51.1	51.7	52
6[illegible] 1[illegible]	33.4	33.[illegible]	45.1	47.0	49.9	50.5	50.9	51.1	51.7	52
3[illegible] 14[illegible]	33.4	33.	45.1	47.[illegible]	49.9	50.5	50.9	51.1	51.7	52
6[illegible] 12[illegible]	33.4	33.[illegible]	45.1	47.0	49.9	50.5	50.9	51.1	51.7	52
3[illegible] 10[illegible]	35.9	40.3	45.7	47.7	51.1	51.7	52.0	52.5	52.9	53
3[illegible] [illegible]	41.[illegible]	41.[illegible]	45.3	4[illegible].4	51.7	52.4	52.7	52.9	53.5	[illegible]
3[illegible] [illegible]	44.4	44.[illegible]	52.5	53.0	55.5	57.2	57.[illegible]	5[illegible].1	[illegible]	[illegible]
3[illegible] 7[illegible]	44.5	49.1	52.[illegible]	53.2	55.3	57.4	53.1	5[illegible].3	59.2	[illegible]
3[illegible] 6[illegible]	45.2	[illegible]	51.[illegible]	54.[illegible]	57.3	58.[illegible]	59.1	59.4	63.1	[illegible]
3[illegible] [illegible]	4[illegible]	47.3	5[illegible].9	[illegible]	52.5	53.1	53.	54.3	54.7	[illegible]
3[illegible] 4[illegible]	53.[illegible]	5[illegible].7	53.[illegible]	53.9	53.1	55.7	[illegible]	[illegible]	73.5	7[illegible]
3[illegible] 4[illegible]	5[illegible].[illegible]	[illegible]	54.4	5[illegible].0	72.4	73.3	74.[illegible]	74.3	75.1	7[illegible]
3[illegible] 3[illegible]	[illegible]	57.2	5[illegible].[illegible]	59.7	74.3	75.3	75.1	75.5	77.2	77
3[illegible] 3[illegible]	57.1	[illegible]	61.1	72.[illegible]	77.3	78.3	79.5	79.9	[illegible]	1
3[illegible] 2[illegible]	[illegible]	[illegible].3	5[illegible].7	73.9	79.1	80.1	81.[illegible]	81.7	[illegible]	[illegible]
3[illegible] 2[illegible]	[illegible]	61.5	71.3	75.5	[illegible]	81.7	[illegible]	[illegible].4	[illegible]	[illegible]
3[illegible] 1[illegible]	61.9	61.	71.5	75.7	81.[illegible]	81.9	[illegible]	[illegible].7	[illegible]	[illegible]
3[illegible] 1[illegible]	[illegible]	63.4	73.[illegible]	7[illegible].3	83.7	84.5	85.9	[illegible]	87.3	87
3[illegible] 1[illegible]	[illegible]	63.[illegible]	74.7	79.4	84.8	85.[illegible]	87.3	87.[illegible]	89.7	[illegible]
3[illegible] 1[illegible]	[illegible]	[illegible]	75.9	[illegible]	85.1	87.1	[illegible]	[illegible]	[illegible]	91
3[illegible] [illegible]	63.[illegible]	64.5	75.2	80.9	85.7	87.5	89.4	90.5	91.9	91
3[illegible] [illegible]	[illegible]	64.7	75.3	81.0	85.9	87.3	89.5	90.4	91.4	92
3[illegible] 7[illegible]	64.4	65.5	77.1	81.7	88.1	89.9	91.2	91.9	92.9	93
3[illegible] 6[illegible]	64.4	65.5	77.1	81.7	88.3	89.2	91.3	92.6	93.5	94
3[illegible] 5[illegible]	[illegible].1	66.1	77.7	82.4	88.9	90.2	93.[illegible]	94.5	95.3	95
3[illegible] 4[illegible]	65.1	66.1	78.0	82.5	89.5	91.2	94.2	95.9	97.5	97
3[illegible] 3[illegible]	65.1	66.1	78.0	82.5	89.5	91.2	94.2	95.9	97.1	97
3[illegible] 2[illegible]	65.1	66.1	78.0	82.5	89.5	91.2	94.2	95.9	97.1	97
3[illegible] [illegible]	65.1	66.1	78.0	82.5	89.5	91.2	94.2	95.9	97.1	[illegible]

TOTAL NUMBER OF OBSERVATIONS [illegible]

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

UPPER HEYFORD RAF UK — PERIOD OF RECORD: JUL 78 - JUN 88
MONTH: MAY HOURS: 00-02

	VISIBILITY IN METERS										
	06	05	04	03	02	01	00	99	98	97	96
	40	32	24	20	16	12	10	08	06	04	00
.7	45.1	46.3	46.6	47.0	47.1	47.4	47.4	47.5	47.6	47.6	48.0
.0	50.4	50.8	51.0	51.6	51.9	52.4	52.4	52.5	52.6	52.6	52.9
.0	50.5	50.9	51.1	51.7	52.0	52.5	52.5	52.6	52.7	52.7	53.0
.0	50.5	50.9	51.1	51.7	52.0	52.5	52.5	52.6	52.7	52.7	53.0
.0	50.5	50.9	51.1	51.7	52.0	52.5	52.5	52.6	52.7	52.7	53.0
.0	50.5	50.9	51.1	51.7	52.0	52.5	52.5	52.6	52.7	52.7	53.0
.1	51.7	52.1	52.3	52.9	53.2	53.7	53.7	53.8	53.9	53.9	54.2
.7	52.4	52.7	52.9	53.5	53.9	54.3	54.3	54.4	54.5	54.5	54.8
.0	57.2	57.5	58.1	58.8	59.1	59.5	59.5	59.7	59.8	59.8	60.1
.	57.4	58.1	58.3	59.0	59.4	59.8	59.8	59.9	60.0	60.0	60.3
.	58.5	59.1	59.4	60.1	60.4	60.9	60.9	61.0	61.1	61.1	61.4
.	63.1	63.7	64.0	64.7	65.1	65.5	65.5	65.6	65.7	65.7	66.0
.1	69.7	70.4	70.6	70.8	70.6	71.1	71.1	71.2	71.3	71.3	71.6
.4	73.8	74.0	74.3	75.1	75.4	75.8	75.8	75.9	76.0	76.0	76.3
.8	75.3	76.1	76.6	77.2	77.6	78.0	78.0	78.1	78.2	78.2	78.5
.0	78.3	79.6	79.9	80.6	81.1	81.5	81.5	81.6	81.7	81.7	82.0
.1	80.1	81.4	81.7	82.6	82.9	83.3	83.3	83.4	83.5	83.5	83.9
.	81.7	83.0	83.4	84.3	84.6	85.1	85.1	85.2	85.3	85.3	85.6
.0	81.0	83.2	83.7	84.5	84.8	85.3	85.3	85.4	85.5	85.5	85.8
.7	84.6	85.0	86.5	87.3	87.7	88.2	88.2	88.3	88.4	88.4	88.7
.	85.8	87.3	87.3	88.7	89.1	89.6	89.6	89.7	89.8	89.8	90.1
.1	87.1	88.3	88.4	89.3	91.0	91.4	91.4	91.5	91.6	91.6	91.9
.7	87.6	89.4	90.0	91.0	91.6	92.0	92.0	92.2	92.3	92.3	92.6
.8	87.8	89.8	90.4	91.4	92.0	92.5	92.5	92.6	92.7	92.7	93.0
.1	89.0	91.2	91.9	92.9	93.7	94.1	94.1	94.2	94.3	94.3	94.6
.8	89.2	91.8	92.6	93.6	94.3	94.7	94.7	94.8	94.9	94.9	95.3
.0	90.2	93.2	94.3	95.3	96.0	96.7	96.7	96.8	96.9	96.9	97.2
.	91.2	94.2	95.9	97.0	97.7	98.4	98.5	98.6	98.7	98.7	99.0
.0	91.2	94.2	95.9	97.0	97.7	98.6	98.7	98.8	99.0	99.1	99.5
.0	91.2	94.2	95.9	97.1	98.0	98.8	98.9	99.0	99.5	99.6	99.9
.	91.2	94.2	95.9	97.1	98.0	98.8	98.9	99.0	99.5	99.6	100.0
.	91.2	94.2	95.9	97.1	98.0	98.8	98.9	99.0	99.5	99.6	100.0

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF
FROM HOURLY OBSERVATIO

STATION NUMBER: 36???
STATION NAME: UPPER HEYFORD RAF UK
LST TO UTC: - 0

CEILING IN FEET	VISIBILITY IN METERS GE 11200	GE 9000	GE 8000	GE 6400	GE 4800	GE 4000	GE 3200	GE 2400	GE 2000	GE 1
NO CEIL	22.4	22.9	27.5	29.4	32.9	33.1	34.5	35.9	36.1	37.
GE 20000	24.3	24.	29.9	31.9	35.0	36.3	37.5	39.4	39.7	4 .
GE 18000	24.4	24.9	30.0	32.0	35.1	35.5	38.0	39.5	39.9	40.
GE 16000	24.4	24.9	30.0	32.0	35.1	35.5	38.0	39.5	39.9	40.
GE 14000	24.5	25.1	30.1	32.2	35.2	35.6	39.2	39.7	40.0	41.
GE 12000	24.5	25.1	30.1	32.2	35.2	36.4	39.2	39.7	40.0	41.
GE 10000	25.7	26.0	31.4	33.7	38.0	39.4	40.0	41.7	42.0	43.
GE 9000	26.2	26.	32.9	34.3	38.7	39.1	40.	42.5	42.9	44.
GE 8000	26.2	27.	35.4	39.3	43.1	43.7	45.4	47.3	47.5	4 .
GE 7000	29.9	30.4	36.0	39.9	43.9	44.4	45.1	46.9	4 .	[illegible]
GE 6000	30.1	30.	36.	39.	45.2	45.7	47.4	48.5	49.	1.
GE 5000	31.	32.4	38.1	42.5	43.4	4 .0	50.	52.5	52.1	54.
GE 4500	34.2	35.	42.0	45.5	52.6	53.2	55.4	57.	[illegible]	[illegible]
GE 4000	37.	39.7	45.2	50.0	55.3	57.	59.	62.4	[illegible]	6 .
GE 3500	37.7	39.4	45.9	51.7	53.5	59.	61.9	64.	65.1	[illegible]
GE 3000	39.9	4 .	49.4	53.3	59.	61.	64.2	65.	57.	6 .
GE 2500	41.	42.9	51.3	55.5	63.9	[illegible]	[illegible]	6 .6	7 .	71.
GE 2000	42.7	43.3	52.5	57.1	64.9	65.9	69.3	71.2	71.	73.
GE 1800	43.	43.	52.9	57.4	65.2	66.2	69.3	71.	72.2	73.
GE 1500	45.7	4 .3	55.2	59.9	63.9	70.3	72.9	75.	75.	7 .
GE 1200	46.7	47.3	57.3	62.2	70.4	71.9	74.5	77.	7 .7	79.
GE 1000	47.1	47.7	52.2	63.1	71.6	73.1	75.9	7 .	7 .	1.
GE 900	47.5	4 .8	[illegible]	64.0	72.9	74.5	77.4	80.4	81.4	3.
GE 800	48.4	49.9	50.5	55.1	74.7	76.7	79.5	83.0	84.3	8 .
GE 700	49.2	49.9	51.0	56.3	75.1	79.2	81.2	84.7	85.0	7.
GE 600	49.5	.1	51.2	55.7	76.5	79.1	82.4	85.9	87.3	9.
GE 500	50.1	50.	52.0	57.5	77.5	80.2	83.	7.5	8 .2	1.
GE 400	50.1	50.3	52.0	57.5	77.8	80.5	84.4	8.9	8 .9	92.
GE 300	50.1	50.8	52.2	57.7	78.1	80.9	84.6	88.4	90.4	92.
GE 200	50.1	50.8	52.2	57.7	78.1	80.9	84.6	88.5	90.5	93.
GE 100	50.1	50.9	52.2	57.7	79.1	80.9	84.7	88.5	90.9	93.
GE 000	50.1	50.9	52.2	57.7	78.1	80.9	84.7	88.6	90.8	93.

TOTAL NUMBER OF OBSERVATIONS 930

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

[illegible] HAYSTACK AFB MA PERIOD OF RECORD: JUL 72 - JUN 84
MONTH: MAY HOURS: 03-05

VISIBILITY IN METERS	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
.0	33.1	34.5	35.3	36.1	37.2	38.1	38.2	38.2	38.3	38.3	39.1
.0	36.3	37.6	39.4	39.7	40.3	41.6	41.9	41.9	42.0	42.0	42.3
.1	36.6	38.0	39.5	39.8	40.9	41.7	42.0	42.0	42.2	42.2	43.0
.1	36.6	38.0	39.5	39.8	40.9	41.7	42.0	42.0	42.2	42.2	43.0
.1	36.6	38.2	39.7	40.0	41.1	41.9	42.3	42.3	42.4	42.4	43.2
.1	36.6	38.2	39.7	40.0	41.1	41.9	42.3	42.3	42.4	42.4	43.2
.1	38.4	40.1	41.7	42.0	43.1	44.0	44.3	44.3	44.4	44.4	45.3
.1	39.1	40.6	42.6	42.9	44.0	44.9	45.3	45.3	45.4	45.4	46.2
.1	43.7	45.4	47.3	47.6	49.0	50.0	50.3	50.3	50.4	50.4	51.3
.1	44.4	46.1	48.0	48.3	50.0	51.1	51.4	51.4	51.5	51.5	52.4
.1	45.7	47.4	49.5	49.8	51.3	52.4	52.7	52.7	52.8	52.8	53.7
.1	49.9	51.6	52.5	53.1	54.6	55.7	56.0	56.0	56.3	56.3	57.2
.1	53.2	55.4	57.4	58.0	59.6	60.6	61.0	61.0	61.3	61.3	62.2
.1	57.4	59.6	62.4	62.9	64.5	65.5	65.9	65.9	66.2	66.2	67.1
.1	59.6	61.9	64.8	65.1	66.7	67.7	68.1	68.1	68.5	68.5	69.4
.1	61.9	64.2	66.8	67.4	69.1	70.5	71.1	71.1	71.5	71.5	72.4
.1	64.3	66.6	69.4	70.0	71.7	73.2	73.7	73.7	74.1	74.1	74.9
.1	65.9	69.3	71.2	71.8	73.5	75.1	75.5	75.5	75.9	75.9	76.8
.1	66.2	69.3	71.5	72.2	73.9	75.4	75.8	75.8	76.2	76.2	77.1
.1	70.3	72.9	75.6	76.5	78.3	79.8	80.2	80.2	80.6	80.6	81.5
.1	71.9	74.5	77.2	78.2	79.9	81.5	81.9	81.9	82.4	82.4	83.2
.1	73.1	75.9	78.8	79.8	81.5	83.1	83.5	83.5	84.0	84.0	84.8
.1	74.5	77.4	80.4	81.4	83.1	84.7	85.2	85.2	85.6	85.6	86.5
.1	76.7	79.5	83.0	84.0	85.7	87.3	87.7	87.7	88.2	88.2	89.0
.1	79.2	81.2	84.7	86.0	87.8	89.5	89.9	89.9	90.3	90.3	91.2
.1	79.1	82.4	85.9	87.3	89.1	90.8	91.2	91.2	91.6	91.6	92.6
.1	80.2	83.6	87.5	89.2	91.4	93.1	93.5	93.5	94.0	94.0	95.2
.1	80.6	84.4	88.2	89.9	92.6	94.1	94.5	94.5	94.9	94.9	96.2
.1	80.9	84.6	88.4	90.4	92.9	95.3	95.8	95.8	96.6	96.6	98.0
.1	80.7	84.6	88.5	90.6	93.2	95.7	96.5	96.5	97.6	97.8	99.4
.1	80.9	84.7	88.6	90.8	93.3	95.8	96.6	96.6	97.7	98.1	100.0
.1	80.9	84.7	88.6	90.8	93.3	95.8	96.6	96.6	97.7	98.1	100.0

OPERATING LOCATION NAME: PERCENTAGE FREQUENCY OF OCCURRENCE OF C
USAFETAC, ASHEVILLE NC FROM HOURLY OBSERVATIONS

STATION NUMBER: [illegible] STATION NAME: UPPER HEYFORD [illegible] UK PERI
LST TO UTC: - 0 MONTH

CEILING IN FEET	VISIBILITY IN METERS									
	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	112	[illegible]	[illegible]	50	48	40	32	24	[illegible]	16
[illegible]	17.1	17.1	[illegible]	22.2	24.5	25.4	25.2	27.4	27.[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	24.3	25.3	27.[illegible]	30.5	31.[illegible]	33.2	33.3	34.
[illegible]	[illegible]	[illegible]	25.1	25.5	30.2	31.0	31.[illegible]	33.4	33.[illegible]	34.[illegible]
[illegible]	[illegible]	[illegible]	25.1	25.5	30.0	31.0	31.[illegible]	33.4	33.[illegible]	34.[illegible]
[illegible]	[illegible]	[illegible]	25.1	25.5	30.1	31.1	31.0	33.5	33.7	34.[illegible]
[illegible]	[illegible]	[illegible]	25.5	27.1	30.5	31.4	32.5	34.2	34.3	34.
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	32.3	35.7	34.7	35.[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	27.3	[illegible]	32.[illegible]	34.2	[illegible]	37.2	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	33.0	37.5	39.1	[illegible]	[illegible]	[illegible]	43.
[illegible]	[illegible]	[illegible]	31.4	33.[illegible]	[illegible]	40.2	41.7	[illegible]	46.5	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	33.[illegible]	41.4	42.[illegible]	[illegible]	45.7	45.
[illegible]	[illegible]	[illegible]	34.4	37.2	42.5	44.4	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	37.3	40.3	45.2	45.2	[illegible]	[illegible]	[illegible]	53.
[illegible]	[illegible]	[illegible]	[illegible]	44.1	50.2	52.[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	43.1	[illegible]	52.5	54.[illegible]	[illegible]	53.5	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	45.7	47.1	[illegible]	[illegible]	[illegible]	53.[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	47.3	[illegible]	57.7	63.1	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	49.7	53.2	53.3	62.7	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	52.3	58.9	61.9	63.3	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	57.4	64.3	67.3	[illegible]	73.2	73.3	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	59.7	67.2	69.2	72.3	75.7	76.3	77.
[illegible]	[illegible]	[illegible]	57.9	61.1	63.3	71.5	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	57.3	61.9	73.9	72.5	[illegible]	73.2	[illegible]	81.
[illegible]	[illegible]	[illegible]	[illegible]	63.7	72.3	75.5	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	64.4	73.[illegible]	77.1	[illegible]	84.6	[illegible]	87.
[illegible]	[illegible]	[illegible]	[illegible]	64.9	74.[illegible]	78.4	[illegible]	[illegible]	87.4	[illegible]
[illegible]	[illegible]	[illegible]	61.1	65.7	75.3	79.5	83.2	[illegible]	[illegible]	91.
[illegible]	[illegible]	[illegible]	61.1	65.7	76.2	79.9	[illegible]	[illegible]	[illegible]	92.
[illegible]	[illegible]	[illegible]	61.1	65.7	76.3	80.0	83.9	[illegible]	[illegible]	93.
[illegible]	[illegible]	[illegible]	61.1	65.7	76.3	80.0	83.9	89.4	[illegible]	93.
[illegible]	[illegible]	[illegible]	61.1	65.7	76.3	80.0	83.9	89.4	93.5	93.
[illegible]	[illegible]	[illegible]	61.1	65.7	76.3	80.0	83.9	89.4	[illegible]	93.

TOTAL NUMBER OF OBSERVATIONS [illegible]

TASK FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

[illegible] YEARS RAF UK PERIOD OF RECORD: JUL 74 - JUN 84
MONTH: MAY HOURS: 06-09

VISIBILITY IN METERS										
30	26	24	22	18	12	10	08	06	04	00
[illegible]	25.2	27.4	27.5	27.1	23.5	23.9	28.9	29.1	29.2	29.5
[illegible]	31.[illegible]	33.2	33.3	34.3	34.7	34.9	35.1	35.3	35.4	35.7
31.3	31.[illegible]	33.4	33.5	34.2	34.9	35.2	35.3	35.5	35.5	35.9
31.2	31.[illegible]	33.4	33.5	34.2	34.9	35.2	35.3	35.5	35.5	35.9
31.1	31.9	33.5	33.7	34.3	35.1	35.3	35.4	35.5	35.7	36.0
32.5	32.5	34.2	34.3	34.9	35.7	35.9	36.0	36.2	36.3	36.7
[illegible].7	35.7	36.[illegible]	36.9	37.5	38.3	38.5	38.6	38.9	38.9	39.2
36.2	37.3	37.3	37.4	38.1	38.9	39.1	39.2	39.5	39.6	40.0
41.1	41.[illegible]	42.9	43.1	43.9	44.7	44.9	45.1	45.4	45.5	45.9
[illegible]	41.7	44.2	44.5	45.3	45.1	45.3	46.5	46.9	47.0	47.4
41.4	42.9	45.4	45.7	46.5	47.3	47.5	47.6	48.1	48.2	48.5
[illegible]	49.2	51.7	49.1	50.[illegible]	50.9	51.1	51.3	51.7	51.8	52.3
[illegible]	[illegible]	52.5	52.9	53.9	54.7	54.9	55.2	55.3	55.7	56.1
[illegible]	[illegible]	57.1	57.5	58.[illegible]	59.7	59.9	60.1	60.5	60.5	61.1
[illegible]	59.[illegible]	59.5	60.0	61.2	62.0	62.3	62.5	62.9	63.0	63.4
[illegible]	50.1	53.[illegible]	53.5	54.3	55.9	55.1	56.3	56.8	56.9	57.4
[illegible].1	52.3	54.9	55.4	56.9	59.1	59.3	59.5	59.9	59.0	59.5
[illegible].7	59.[illegible]	57.5	57.5	59.6	70.[illegible]	71.0	71.2	71.5	71.7	72.3
[illegible].3	59.3	63.3	59.9	70.2	71.4	71.5	71.[illegible]	72.3	72.4	72.9
7.3	59.5	73.2	73.9	75.2	76.3	76.5	76.9	77.3	77.4	78.0
3.4	72.0	75.7	76.3	77.6	78.9	79.0	79.4	79.9	79.9	80.4
[illegible].5	74.4	78.2	78.5	59.2	81.4	81.5	81.9	82.4	82.5	83.0
[illegible].5	75.4	78.2	79.9	81.4	82.5	82.[illegible]	83.1	83.5	83.7	84.2
[illegible]	78.5	82.7	83.3	84.3	86.1	85.3	86.7	87.1	87.2	87.7
77.1	80.3	84.5	85.5	87.2	88.5	85.7	89.0	89.5	89.6	90.1
[illegible]	82.0	86.5	87.4	89.2	90.6	90.9	91.2	91.6	91.7	92.3
[illegible]	83.2	88.0	89.0	91.1	92.7	92.9	93.2	93.7	93.8	94.4
[illegible]	83.[illegible]	88.9	90.0	92.7	94.4	94.6	94.9	95.4	95.5	96.2
[illegible]	83.9	89.2	90.4	93.3	95.4	96.2	96.8	97.5	97.7	98.7
[illegible]	83.9	89.4	90.5	93.4	95.5	96.3	97.1	98.2	98.6	99.7
[illegible]	83.9	89.4	90.5	93.4	95.5	96.3	97.1	98.4	98.8	100.0
[illegible]	83.9	89.4	90.5	93.4	95.5	96.3	97.1	98.4	98.8	100.0

OPERATING LOCATION MAP
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEIL
FROM HOURLY OBSERVATIONS

STATION NUMBER: 36993 STATION NAME: UPPER HEYFORD RAF UK PERIOD
LST TO UTC: - 0 MONTH:

CEILING IN FEET	VISIBILITY IN METERS 1	2	3	4	5	6	7	8	9	10
	112	97	80	65	49	40	32	24	20	16
NO CEIL	17.[illegible]	19.1	21.[illegible]	23.2	24.2	24.2	24.2	24.2	24.2	24.2
30 20000	25.[illegible]	26.2	29.7	31.6	33.2	33.2	33.3	33.3	33.3	33.3
30 15000	25.1	26.3	29.3	31.7	33.3	33.3	33.4	33.4	33.4	33.4
30 10000	25.1	26.3	29.3	31.7	33.3	33.3	33.4	33.4	33.4	33.4
30 14000	25.1	26.3	29.[illegible]	31.7	33.3	33.3	33.4	33.4	33.4	33.4
30 12000	25.1	26.3	29.[illegible]	31.7	33.3	33.3	33.4	33.4	33.4	33.4
30 10000	27.1	27.3	31.3	33.3	35.4	35.4	35.5	35.5	35.5	35.5
30 8000	27.1	27.3	32.3	34.5	36.5	36.5	36.7	36.7	36.7	36.7
30 6000	31.3	31.5	35.5	37.7	41.5	41.5	41.7	41.7	41.[illegible]	41.[illegible]
30 7000	32.4	37.5	37.5	39.5	42.7	42.8	42.8	42.8	43.1	43.2
30 5000	32.[illegible]	38.5	38.1	40.2	43.1	43.2	43.3	43.3	43.5	43.7
30 4000	35.5	35.[illegible]	41.3	43.7	46.9	47.1	47.2	47.2	47.4	47.[illegible]
30 4500	37.4	37.[illegible]	42.3	45.[illegible]	49.[illegible]	49.2	49.4	49.4	49.[illegible]	49.7
30 4000	42.3	43.1	49.2	52.3	55.3	55.5	55.[illegible]	55.9	57.2	57.3
30 3500	47.0	47.2	54.3	57.0	61.3	61.5	61.3	61.9	62.3	62.4
30 3000	53.7	54.2	61.3	65.4	70.2	70.4	70.9	70.9	71.2	71.3
30 2500	57.7	7.1	65.1	69.6	73.4	73.7	74.3	74.2	74.5	74.[illegible]
30 2000	[illegible]	61.1	69.9	73.4	73.4	75.6	75.9	77.1	77.5	77.5
30 1500	61.[illegible]	62.3	71.3	74.9	80.0	80.2	82.5	[illegible]	81.1	81.[illegible]
30 1300	65.7	66.4	74.7	78.4	84.3	84.7	85.1	85.3	85.5	85.7
30 1000	64.7	65.4	76.2	80.3	85.9	87.4	87.6	88.1	88.4	[illegible]
30 1000	65.[illegible]	66.2	78.1	82.3	89.5	90.4	91.3	91.[illegible]	92.3	92.4
30 900	65.[illegible]	66.5	78.5	82.5	90.2	91.2	92.0	92.[illegible]	93.1	93.2
30 800	66.3	67.0	79.5	83.9	91.4	92.8	93.9	94.5	95.1	95.4
30 700	66.5	67.1	79.5	84.0	91.7	93.2	94.6	95.5	95.9	95.3
30 600	66.5	67.1	79.7	84.4	92.2	93.9	95.3	96.1	96.9	97.3
30 500	66.5	67.1	79.7	84.5	92.4	94.1	95.5	95.5	97.7	98.2
30 400	66.5	67.1	79.7	84.7	92.5	94.2	95.7	97.0	98.1	98.3
30 300	66.5	67.1	79.7	84.7	92.5	94.2	95.7	97.0	98.1	98.2
30 200	66.5	67.1	79.7	84.7	92.5	94.2	95.7	97.0	98.1	98.2
30 100	66.5	67.1	79.7	84.7	92.5	94.2	95.7	97.0	98.1	98.2
30 000	66.5	67.1	79.7	84.7	92.5	94.2	95.7	97.0	98.1	98.2

TOTAL NUMBER OF OBSERVATIONS 930

FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

[illegible] AFB UK PERIOD OF RECORD: JUL 7[illegible] - JUN 8[illegible]
MONTH: MAY HOURS: 09-11

VISIBILITY IN METERS	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
[illegible]	24.2	24.2	24.2	24.2	24.2	24.2	24.2	24.2	24.2	24.2
[illegible]	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3
[illegible]	33.4	33.4	33.4	33.4	33.4	33.4	33.4	33.4	33.4	33.4
[illegible]	33.4	33.4	33.4	33.4	33.4	33.4	33.4	33.4	33.4	33.4
[illegible]	33.4	33.4	33.4	33.4	33.4	33.4	33.4	33.4	33.4	33.4
[illegible]	33.4	33.4	33.4	33.4	33.4	33.4	33.4	33.4	33.4	33.4
[illegible]	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5
[illegible]	35.7	35.7	35.7	35.7	35.7	35.7	35.7	35.7	35.7	35.7
[illegible]	41.7	41.7	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9
[illegible]	42.9	42.9	43.1	43.2	43.2	43.2	43.2	43.2	43.2	43.2
[illegible]	43.3	43.3	43.5	43.7	43.7	43.7	43.7	43.7	43.7	43.7
[illegible]	47.2	47.2	47.4	47.5	47.5	47.5	47.5	47.5	47.5	47.5
[illegible]	47.4	49.4	49.6	49.7	49.7	49.7	49.7	49.7	49.7	49.7
[illegible]	55.8	55.9	57.2	57.3	57.3	57.3	57.3	57.3	57.3	57.3
[illegible]	61.8	61.9	62.3	62.4	62.4	62.4	62.4	62.4	62.4	62.4
[illegible]	70.9	70.9	71.2	71.3	71.3	71.3	71.3	71.3	71.3	71.3
[illegible]	74.0	74.2	74.5	74.6	74.6	74.6	74.6	74.6	74.6	74.6
[illegible]	75.9	79.1	79.5	79.6	79.6	79.6	79.6	79.6	79.6	79.6
[illegible]	80.5	80.9	81.1	81.2	81.2	81.2	81.2	81.2	81.2	81.2
[illegible]	85.1	85.3	85.6	85.7	85.7	85.7	85.7	85.7	85.7	85.7
[illegible]	87.4	88.1	88.4	88.5	88.5	88.5	88.5	88.5	88.5	88.5
[illegible]	91.3	91.9	92.3	92.4	92.4	92.4	92.4	92.4	92.4	92.4
[illegible]	92.5	92.6	93.1	93.2	93.2	93.2	93.2	93.2	93.2	93.2
[illegible]	93.9	94.5	95.1	95.4	95.4	95.4	95.4	95.4	95.4	95.4
[illegible]	94.6	95.5	96.0	96.3	96.3	96.3	96.3	96.3	96.3	96.3
[illegible]	95.3	96.1	96.9	97.2	97.2	97.2	97.2	97.2	97.2	97.2
[illegible]	95.6	96.8	97.7	98.2	98.2	98.2	98.2	98.2	98.2	98.2
[illegible]	95.7	97.0	98.1	98.9	98.9	98.9	98.9	98.9	98.9	98.9
[illegible]	95.7	97.0	98.1	99.2	99.7	99.7	99.7	99.8	99.8	99.8
[illegible]	95.7	97.0	98.1	99.2	99.7	99.7	99.7	99.9	100.0	100.0
[illegible]	95.7	97.0	98.1	99.2	99.7	99.7	99.7	99.9	100.0	100.0
[illegible]	95.7	97.0	98.1	99.2	99.7	99.7	99.7	99.9	100.0	100.0

OPERATING LOCATION "A" PERCENTAGE FREQUENCY OF OCCURRENCE OF C
USAFETAC, ASHEVILLE, NC FROM HOURLY OBSERVATIONS

STATION NUMBER: 35583 STATION NAME: UPPER HEYFORD RAF UK PERIO
LST TO UTC: - 0 MONTH:

CEILING IN FEET	VISIBILITY IN METERS 50 112	40	30 50	22 62	18 45	16 40	14 32	12 24	10 20	8 16
NO CEIL	16.2	17.2	18.4	19.5	19.7	19.8	19.8	19.8	19.8	19.8
30000	25.8	26.0	28.5	28.7	29.0	29.0	29.1	29.0	29.0	29.0
25000	25.7	26.1	28.6	28.8	29.0	29.1	29.1	29.1	29.1	29.1
20000	25.7	26.1	28.6	28.8	29.0	29.1	29.1	29.1	29.1	29.1
15000	25.7	26.1	28.6	28.8	29.0	29.1	29.1	29.1	29.1	29.1
14000	25.7	26.1	28.6	28.8	29.0	29.1	29.1	29.1	29.1	29.1
13000	26.2	26.7	29.1	29.4	29.6	29.7	29.7	29.7	29.7	29.7
12000	27.3	27.7	30.6	30.9	31.3	31.1	31.1	31.1	31.1	31.1
11000	27.9	28.4	31.2	31.4	31.6	31.7	31.7	31.7	31.7	31.7
10000	31.5	31.9	35.2	35.4	35.9	35.9	35.9	35.9	35.9	35.9
9000	32.9	33.3	36.8	36.8	37.3	37.4	37.4	37.4	37.4	37.4
8000	34.5	35.1	38.3	38.5	39.0	39.1	39.1	39.1	39.1	39.1
7000	40.5	41.2	43.5	43.8	46.5	46.7	46.7	46.7	46.7	46.7
6000	46.[illegible]	46.4	47.8	50.8	51.9	51.9	51.9	51.9	51.9	51.9
5000	54.9	55.7	59.9	61.4	62.7	62.4	62.4	62.4	62.4	62.4
4000	62.9	63.1	69.2	70.4	71.3	71.4	71.4	71.4	71.4	71.4
3000	69.7	71.2	78.2	80.9	81.7	81.8	81.8	81.8	81.8	81.8
2500	71.7	73.2	81.3	83.4	84.4	84.5	84.5	84.5	84.5	84.5
2000	73.4	75.3	84.9	87.1	88.2	88.4	88.4	88.4	88.4	88.4
1500	77.9	79.4	85.3	87.4	88.6	88.7	88.7	88.7	88.7	88.7
1000	74.9	76.6	86.7	89.3	91.1	91.3	91.3	91.3	91.3	91.3
900	75.0	77.6	86.3	91.8	93.7	94.2	94.3	94.4	94.4	94.4
800	75.9	77.7	89.9	92.2	94.5	95.5	95.7	95.8	95.8	95.8
700	75.7	77.8	89.9	92.2	94.8	95.5	95.7	95.8	95.8	95.8
600	76.5	78.1	89.4	92.5	95.2	96.0	96.5	97.2	97.2	97.2
500	75.5	77.1	89.4	92.5	95.4	96.2	97.1	98.1	98.2	98.3
400	76.5	78.1	89.4	92.5	95.5	96.5	97.3	98.3	98.4	98.4
300	76.5	78.1	89.4	92.7	95.7	96.8	97.8	99.0	99.2	99.7
200	76.5	78.1	89.4	92.7	95.7	96.8	97.8	99.0	99.2	99.7
100	76.5	78.1	89.4	92.7	95.7	96.8	97.8	99.0	99.2	99.7
000	76.5	78.1	89.4	92.7	95.7	96.8	97.8	99.0	99.2	99.7

TOTAL NUMBER OF OBSERVATIONS 930

TAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

R HEYFORD RAF UK   PERIOD OF RECORD: JUL 73 - JUN 88
MONTH: MAY   HOURS: 12-14

VISIBILITY IN METERS

GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
18.8	18.8	18.8	18.8	18.8	18.8	18.8	18.8	18.8	18.8	18.8
29.0	29.0	29.0	29.0	29.0	29.0	29.0	29.0	29.0	29.0	29.0
29.1	29.1	29.1	29.1	29.1	29.1	29.1	29.1	29.1	29.1	29.1
29.1	29.1	29.1	29.1	29.1	29.1	29.1	29.1	29.1	29.1	29.1
29.1	29.1	29.1	29.1	29.1	29.1	29.1	29.1	29.1	29.1	29.1
29.7	29.7	29.7	29.7	29.7	29.7	29.7	29.7	29.7	29.7	29.7
31.1	31.1	31.1	31.1	31.1	31.1	31.1	31.1	31.1	31.1	31.1
31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7
36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0
37.4	37.4	37.4	37.4	37.4	37.4	37.4	37.4	37.4	37.4	37.4
39.1	39.1	39.1	39.1	39.1	39.1	39.1	39.1	39.1	39.1	39.1
46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7
51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0
62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8
71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4
81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8
84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5
88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4
88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
94.2	94.3	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4
95.5	95.7	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
95.5	95.7	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
96.0	96.5	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
96.2	97.1	98.1	98.2	98.3	98.3	98.3	98.3	98.3	98.3	98.3
96.8	97.3	98.3	98.4	98.6	98.6	98.6	98.6	98.6	98.6	98.6
96.8	97.8	99.0	99.2	99.7	99.8	100.0	100.0	100.0	100.0	100.0
96.8	97.8	99.0	99.2	99.7	99.8	100.0	100.0	100.0	100.0	100.0
96.8	97.8	99.0	99.2	99.7	99.8	100.0	100.0	100.0	100.0	100.0
96.8	97.8	99.0	99.2	99.7	99.8	100.0	100.0	100.0	100.0	100.0
96.8	97.8	99.0	99.2	99.7	99.8	100.0	100.0	100.0	100.0	100.0
96.8	97.8	99.0	99.2	99.7	99.8	100.0	100.0	100.0	100.0	100.0

OPERATING LOCATION "A"
USAETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF [illegible]
[illegible] HOURLY OBSERVATIONS

STATION NUMBER: 38563 STATION NAME: UPPER HEYFORD RAF UK
LST TO UTC: - 0

CEILING IN FEET	VISIBILITY IN METERS 50	45	35	25	15	8	5	3	2	1
	112	95	60	50	48	40	32	24	20	16
NO CEIL	1[illegible]	1[illegible]	20.3	20.4	20.4	20.4	20.4	20.4	20.4	20.4
30000	2[illegible]	27.0	30.0	30.1	30.2	30.2	30.2	30.2	30.2	30.2
19000	27.1	27.3	30.3	30.4	30.5	30.5	30.5	30.5	30.5	30.5
15000	27.1	27.3	30.3	30.4	30.5	30.5	30.5	30.5	30.5	30.5
14000	27.2	27.4	30.4	30.5	30.6	30.6	30.6	30.6	30.6	30.6
12000	29.3	29.2	31.2	31.3	31.4	31.4	31.4	31.4	31.4	31.4
10000	33.2	30.1	33.7	33.9	34.2	34.2	34.2	34.2	34.2	34.2
9000	37.5	33.3	34.6	34.9	35.3	35.3	35.4	35.4	35.4	35.4
8000	34.7	35.1	37.4	37.6	40.3	40.3	40.4	40.4	40.4	40.4
7000	35.7	36.3	40.6	41.3	41.8	41.8	41.9	41.9	41.9	41.9
6000	37.4	37.7	42.7	43.5	44.3	44.3	44.4	44.4	44.4	44.4
5000	44.5	44.3	50.9	51.7	52.6	52.5	52.6	52.6	52.6	52.6
4500	52.[illegible]	52.5	55.3	59.7	60.4	60.4	60.5	60.5	60.5	60.5
4000	61.5	61.4	69.2	70.5	71.7	71.7	71.[illegible]	71.[illegible]	71.[illegible]	71.[illegible]
3500	66.3	66.6	77.1	78.6	79.9	79.9	80.0	80.0	80.0	[illegible]
3000	73.[illegible]	74.4	83.6	85.6	86.4	86.4	87.0	87.0	87.[illegible]	87.[illegible]
2500	74.7	75.7	88.1	87.5	89.3	89.1	89.2	89.2	89.2	89.[illegible]
2000	75.5	76.7	87.2	88.5	91.5	91.7	91.8	91.8	91.[illegible]	91.[illegible]
1500	76.7	78.[illegible]	87.3	89.9	91.7	91.9	92.0	92.0	92.0	92.[illegible]
1500	76.5	77.4	93.4	91.5	93.5	94.1	94.3	94.4	94.4	94.4
1000	76.[illegible]	77.[illegible]	89.1	92.4	94.5	95.3	95.5	95.[illegible]	95.8	95.[illegible]
1000	76.9	78.2	90.0	93.2	95.5	96.1	96.5	96.7	96.7	96.[illegible]
900	76.[illegible]	78.9	90.0	93.3	95.7	96.3	96.7	97.3	97.3	97.[illegible]
800	77.3	78.1	90.1	93.4	96.0	96.5	97.1	97.3	97.3	97.[illegible]
700	77.0	78.1	90.1	93.4	96.2	97.0	97.4	98.5	98.5	98.[illegible]
600	77.0	78.1	90.2	93.5	96.3	97.1	97.5	98.9	98.9	98.[illegible]
500	77.0	78.1	90.2	93.5	96.5	97.3	97.7	99.2	99.2	99.[illegible]
400	77.0	78.1	90.2	93.5	96.6	97.3	97.7	99.2	99.2	99.[illegible]
300	77.0	78.1	90.2	93.5	96.6	97.3	97.7	99.2	99.2	99.[illegible]
200	77.0	78.1	90.2	93.5	96.6	97.3	97.7	99.2	99.2	99.[illegible]
100	77.0	78.1	90.2	93.5	96.6	97.3	97.7	99.2	99.2	99.[illegible]
000	77.0	78.1	90.2	93.5	96.6	97.3	97.7	99.2	99.2	99.[illegible]

TOTAL NUMBER OF OBSERVATIONS 930

NTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

FAIRFORD RAF UK PERIOD OF RECORD: JUL 73 - JUN 86
MONTH: MAY HOURS: 15-17

VISIBILITY IN METERS

GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
20.4	20.4	20.4	20.4	20.4	20.4	20.4	20.4	20.4	20.4	20.4
30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2
30.5	30.5	30.5	30.5	30.5	30.5	30.5	30.5	30.5	30.5	30.5
30.5	30.5	30.5	30.5	30.5	30.5	30.5	30.5	30.5	30.5	30.5
30.6	30.6	30.6	30.6	30.6	30.6	30.6	30.6	30.6	30.6	30.6
31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4
34.2	34.2	34.2	34.2	34.2	34.2	34.2	34.2	34.2	34.2	34.2
35.3	35.4	35.4	35.4	35.4	35.4	35.4	35.4	35.4	35.4	35.4
40.3	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4
41.8	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9
44.3	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4
52.5	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6
60.4	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5
71.7	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8
79.9	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
86.3	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0
89.1	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2
91.7	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8
91.9	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
94.1	94.3	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4
95.3	95.6	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
96.1	96.5	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
96.3	96.7	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
96.[illegible]	97.1	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
97.0	97.4	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
97.1	97.5	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
97.3	97.7	99.2	99.2	99.6	99.7	99.9	99.9	99.9	99.9	99.9
97.3	97.7	99.2	99.2	99.6	99.8	100.0	100.0	100.0	100.0	100.0
97.3	97.7	99.2	99.2	99.6	99.8	100.0	100.0	100.0	100.0	100.0
97.3	97.7	99.2	99.2	99.6	99.8	100.0	100.0	100.0	100.0	100.0
97.3	97.7	99.2	99.2	99.6	99.8	100.0	100.0	100.0	100.0	100.0
97.3	97.7	99.2	99.2	99.6	99.8	100.0	100.0	100.0	100.0	100.0

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE, NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF
FROM HOURLY OBSERVATIONS

STATION NUMBER: 36553 STATION NAME: UPPER HEYFORD RAF UK
LST TO GTC: - 0

CEILING IN FEET	VISIBILITY IN METERS 10	9	8	7	6	5	4	3	2	1
	112	97	80	50	48	40	32	24	20	16
UNLIMITED	28.0	28.4	29.4	29.9	30.3	30.4	30.6	30.9	30.9	31.
GE 20000	34.7	38.2	40.8	41.5	42.2	42.3	42.5	42.7	42.7	42.
GE 15000	34.7	38.3	40.9	41.7	42.3	42.4	42.7	42.9	42.9	42.
GE 10000	34.7	38.3	40.9	41.7	42.3	42.4	42.7	42.9	42.9	42.
GE 8000	34.7	38.4	41.5	41.9	42.5	42.6	42.9	43.3	43.3	43.
GE 6000	35.5	39.9	41.7	42.9	43.4	43.5	43.9	44.3	44.3	44.
GE 4000	36.3	39.2	43.3	43.9	44.7	44.9	45.2	45.3	45.3	45.
GE 3000	37.2	37.5	44.3	45.4	46.3	46.5	46.5	46.9	46.9	47.
GE 2000	42.7	43.1	50.0	51.2	52.3	52.4	52.7	52.9	52.9	53.
GE 1500	45.4	45.4	53.1	54.4	55.5	55.5	55.9	56.3	56.3	56.
GE 1000	47.1	47.5	55.3	56.5	58.1	58.2	58.5	58.9	58.9	59.
GE 900	51.4	52.5	60.9	62.4	64.3	64.4	64.	65.2	65.2	65.
GE 800	54.1	55.5	67.3	69.3	71.2	71.3	71.7	72.2	72.2	72.
GE 700	56.7	56.	75.7	77.4	81.3	81.5	82.2	82.5	82.5	8
GE 600	64.7	65.5	79.9	82.5	85.3	85.6	86.2	86.5	86.9	8
GE 500	71.3	71.7	82.5	85.5	88.3	88.6	89.4	89.9	89.9	9
GE 400	71.2	72.2	83.3	86.5	89.4	89.7	91.5	91.2	91.2	91
GE 300	71.	72.9	84.3	87.1	90.9	91.2	92.2	92.9	92.9	93
GE 200	71.9	72.9	85.1	88.3	91.1	91.5	92.5	93.2	93.2	93
GE 150	72.3	73.2	85.7	89.4	92.4	93.0	94.1	94.9	94.	95
GE 100	72.4	73.9	86.9	89.7	92.9	93.6	94.5	95.4	95.4	96
GE 90	72.7	73.7	86.7	90.4	93.3	94.5	95.7	95.5	95.5	96
GE 80	72.7	73.7	86.7	90.4	93.6	94.5	95.7	95.5	95.9	96
GE 70	72.7	73.7	87.0	90.9	94.2	95.1	96.1	97.2	97.2	97
GE 60	72.7	73.7	87.4	91.0	94.6	95.6	96.9	98.1	98.1	98
GE 50	72.9	73.9	87.5	91.1	94.8	95.9	97.2	98.5	98.5	99
GE 40	72.9	73.8	87.4	91.2	94.9	96.0	97.3	98.7	99.1	9
GE 30	72.9	73.8	87.4	91.2	95.1	96.1	97.4	99.1	99.9	99
GE 20	72.9	73.8	87.4	91.2	95.1	96.1	97.4	99.3	99.9	9
GE 10	72.9	73.8	87.4	91.2	95.1	96.1	97.4	99.3	99.9	9
GE 000	72.9	73.8	87.4	91.2	95.1	96.1	97.4	99.6	99.9	9

TOTAL NUMBER OF OBSERVATIONS 930

TAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

[illegible]YFORD RAF UK PERIOD OF RECORD: JUL 7[illegible] - JUN 8[illegible]
MONTH: MAY HOURS: 18-20

VISIBILITY IN METERS										
[illegible] 40	36 32	3[illegible] 24	28 20	2[illegible] 16	0[illegible] 12	0[illegible] 10	0[illegible] 08	0[illegible] 06	0[illegible] 04	0[illegible] 00
[illegible].4	30.8	30.9	30.9	31.0	31.0	31.0	31.0	31.0	31.0	31.0
[illegible].3	42.5	42.7	42.7	42.[illegible]	42.[illegible]	42.[illegible]	42.[illegible]	42.[illegible]	42.[illegible]	42.3
[illegible].4	42.7	42.[illegible]	42.[illegible]	42.9	42.9	42.9	42.9	42.9	42.9	42.9
[illegible].4	42.7	42.[illegible]	42.[illegible]	42.[illegible]	42.9	42.9	42.9	42.9	42.9	42.9
[illegible].5	42.9	43.0	43.0	43.1	43.1	43.1	43.1	43.1	43.1	43.1
[illegible].5	43.9	44.0	44.0	44.1	44.1	44.1	44.1	44.1	44.1	44.1
[illegible]	45.2	45.3	45.3	45.4	45.4	45.4	45.4	45.4	45.4	45.4
[illegible]	45.5	46.9	46.9	47.0	47.0	47.0	47.0	47.0	47.0	47.0
[illegible].4	52.7	52.[illegible]	52.[illegible]	53.0	53.0	53.0	53.0	53.0	53.0	53.0
[illegible].5	55.9	56.0	56.0	56.2	56.2	56.2	56.2	56.2	56.2	56.2
[illegible].2	58.5	59.[illegible]	59.[illegible]	59.0	59.0	59.0	59.0	59.0	59.0	59.0
[illegible].4	64.[illegible]	65.2	65.2	65.4	65.5	65.5	65.5	65.5	65.5	65.5
71.3	71.7	72.0	72.0	72.3	72.4	72.4	72.4	72.4	72.4	72.4
[illegible].5	82.2	82.5	82.5	82.7	82.8	82.8	82.8	82.8	82.8	82.8
[illegible].4	86.2	86.5	86.6	86.9	86.9	86.9	86.9	86.9	86.9	86.9
[illegible].4	89.4	89.[illegible]	89.[illegible]	90.0	90.1	90.1	90.1	90.1	90.1	90.1
[illegible].7	91.5	91.2	91.2	91.4	91.5	91.5	91.5	91.5	91.5	91.5
[illegible].2	92.2	92.9	92.9	93.1	93.2	93.2	93.2	93.2	93.2	93.2
[illegible].5	92.5	93.2	93.2	93.4	93.5	93.5	93.5	93.5	93.5	93.5
[illegible].0	94.1	94.8	94.5	95.1	95.2	95.2	95.2	95.2	95.2	95.2
[illegible].5	94.5	95.4	95.4	95.5	95.7	95.7	95.7	95.7	95.7	95.7
[illegible].3	95.7	95.5	95.5	96.7	96.8	96.5	96.8	96.8	95.8	96.3
[illegible].5	95.7	96.5	96.5	96.9	97.0	97.0	97.0	97.0	97.0	97.0
[illegible].1	96.1	97.2	97.2	97.7	97.8	97.8	97.8	97.8	97.8	97.8
[illegible].6	96.8	98.1	98.1	98.6	98.7	98.7	98.7	98.7	98.7	98.7
[illegible].9	97.2	98.5	98.5	99.0	99.2	99.2	99.2	99.2	99.2	99.2
[illegible].2	97.3	98.6	98.7	99.5	99.7	99.7	99.7	99.7	99.7	99.7
[illegible].9	97.3	98.7	98.8	99.6	99.8	99.9	99.9	99.9	99.9	99.9
[illegible].1	97.4	98.8	98.9	99.7	99.9	100.0	100.0	100.0	100.0	100.0
[illegible].1	97.4	98.8	98.9	99.7	99.9	100.0	100.0	100.0	100.0	100.0
[illegible].1	97.4	98.8	98.9	99.7	99.9	100.0	100.0	100.0	100.0	100.0
96.1	97.4	98.8	98.9	99.7	99.9	100.0	100.0	100.0	100.0	100.0

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF
FROM HOURLY OBSERVATI

STATION NUMBER: 3[illegible]3 STATION NAME: UPPER [illegible] BAR [illegible]
LST TO UTC: - 0

CEILING IN FEET	VISIBILITY IN METERS 6+ 112	5+ 96	4+ 80	3+ 64	2+ 48	1+ 40	1+ 32	1+ 24	1+ 20	1
NO CEIL	3[illegible].1	3[illegible].3	41.4	42.5	44.3	44.7	44.9	45.0	45.0	4
5+ 20000	42.[illegible]	43.3	47.1	4[illegible].4	50.9	51.2	5[illegible].3	51.9	51.9	5[illegible]
5+ 17000	42.[illegible]	43.3	47.1	4[illegible].4	50.9	51.3	51.9	52.0	52.3	5[illegible]
5+ 15000	42.[illegible]	43.3	47.1	4[illegible].4	50.9	51.3	51.9	52.0	52.3	5[illegible]
5+ 14000	42.[illegible]	43.3	47.1	4[illegible].4	50.9	51.3	51.9	52.0	52.3	5[illegible]
5+ 12000	42.[illegible]	43.4	47.3	45.7	51.1	51.5	52.1	52.2	52.3	5[illegible]
5+ 10000	43.[illegible]	43.[illegible]	47.5	49.2	51.7	52.1	52.5	52.7	52.7	5[illegible]
5+ 9000	44.1	44.[illegible]	47.5	49.4	52.5	53.1	53.5	53.7	53.7	5[illegible]
4+ 8000	4[illegible].[illegible]	4[illegible].7	53.3	54.7	57.8	5[illegible].3	53.7	53.[illegible]	5[illegible].3	5[illegible]
3+ 7000	4[illegible].4	5[illegible].1	54.7	56.3	59.2	59.7	5[illegible].4	60.5	60.5	6[illegible]
2+ 6000	51.2	51.7	55.5	57.3	61.0	61.6	62.2	62.3	62.3	6[illegible]
1+ 5000	5[illegible].3	5[illegible].6	61.3	62.4	65.5	66.3	67.2	67.1	67.1	6[illegible]
1+ 4000	61.1	61.2	65.0	69.5	72.3	73.7	74.4	74.5	74.5	7[illegible]
1+ 3500	64.3	65.4	72.3	74.2	77.3	78.[illegible]	79.4	79.5	79.7	7[illegible]
1+ 3000	66.0	67.1	74.1	75.9	80.1	81.1	82.0	82.1	82.2	8[illegible]
1+ 2500	66.4	68.4	75.9	78.[illegible]	83.1	84.3	85.4	85.[illegible]	85.5	8[illegible]
1+ 2000	68.[illegible]	70.3	77.7	79.7	84.0	85.1	85.2	85.7	8[illegible]	8[illegible]
1+ 1800	70.1	71.3	79.3	81.4	85.9	87.2	88.0	88.7	8[illegible]	8[illegible]
1+ 1500	70.3	71.4	79.4	81.5	86.1	87.4	88.0	88.4	89.1	8[illegible]
1+ 1000	70.9	72.1	81.1	83.3	88.2	89.7	91.1	91.5	91.[illegible]	91
1+ 1200	71.6	72.[illegible]	82.0	84.5	89.1	90.5	92.1	92.7	92.3	93
1+ 1000	72.1	73.3	82.3	85.3	89.9	91.5	93.3	93.[illegible]	94.1	94
1+ 900	72.3	73.4	83.1	85.5	90.3	92.0	93.9	94.5	94.3	94
1+ 800	72.4	73.5	83.4	85.3	91.0	92.3	94.5	95.4	95.5	95
1+ 700	72.5	73.7	83.7	86.2	91.5	93.4	95.3	96.0	95.2	96
1+ 600	72.5	73.7	83.9	86.3	91.7	93.6	95.7	96.4	95.7	96
1+ 500	72.7	73.8	84.3	86.9	92.2	94.3	96.7	97.5	97.1	9[illegible]
1+ 400	72.7	73.8	84.5	87.1	92.7	94.7	97.2	98.5	98.3	99
1+ 300	72.7	73.8	84.5	87.1	92.7	94.7	97.3	98.6	99.0	99
1+ 200	72.7	73.8	84.5	87.1	92.7	94.7	97.3	98.6	99.0	99
1+ 100	72.7	73.8	84.5	87.1	92.7	94.7	97.3	98.6	99.0	99
0+ 000	72.7	73.8	84.5	87.1	92.7	94.7	97.3	98.6	99.0	99

TOTAL NUMBER OF OBSERVATIONS 929

ENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

FOR BEYERD RAF UK PERIOD OF RECORD: JUL 74 - JUN 83
MONTH: MAY HOURS: 21-23

VISIBILITY IN METERS										
GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
44.7	44.9	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0
51.2	51.3	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9
51.3	51.9	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0
51.3	51.9	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0
51.3	51.9	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0
51.5	52.1	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2
52.1	52.5	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7
53.1	53.6	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7
53.3	53.7	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8
59.7	60.4	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5
61.5	62.2	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3
66.3	67.0	67.1	67.1	67.1	67.1	67.2	67.2	67.2	67.2	67.2
73.7	74.4	74.5	74.5	74.5	74.5	74.5	74.6	74.6	74.6	74.6
79.5	79.4	79.5	79.7	79.5	79.8	79.9	79.9	79.9	79.9	79.9
81.1	82.0	82.1	82.2	82.3	82.3	82.5	82.5	82.5	82.5	82.5
84.9	85.4	85.4	85.9	86.0	86.0	86.1	86.1	86.1	86.1	86.1
86.1	86.2	86.7	86.8	86.9	86.9	87.0	87.0	87.0	87.0	87.0
87.2	88.3	88.7	88.9	89.0	89.0	89.1	89.1	89.1	89.1	89.1
87.4	88.5	88.9	89.1	89.2	89.2	89.3	89.3	89.3	89.3	89.3
90.7	91.1	91.6	91.8	91.9	91.9	92.0	92.0	92.0	92.0	92.0
92.5	92.1	92.7	92.9	93.0	93.0	93.1	93.1	93.1	93.1	93.1
91.5	93.3	93.9	94.1	94.2	94.2	94.3	94.3	94.3	94.3	94.3
92.9	93.9	94.6	94.8	94.9	95.0	95.2	95.2	95.2	95.2	95.2
92.9	94.5	95.4	95.6	95.7	95.8	95.9	95.9	95.9	95.9	95.9
93.4	95.3	96.0	96.2	96.3	96.4	96.6	96.6	96.6	96.6	96.6
93.5	95.7	96.4	96.7	96.8	96.9	97.0	97.0	97.0	97.0	97.0
94.3	96.7	97.5	97.1	98.4	98.6	98.8	98.8	98.8	98.8	98.8
94.7	97.2	98.5	98.9	99.2	99.5	99.5	99.8	99.5	99.8	99.8
94.7	97.3	98.6	99.0	99.4	99.7	100.0	100.0	100.0	100.0	100.0
94.7	97.3	98.6	99.0	99.4	99.7	100.0	100.0	100.0	100.0	100.0
94.7	97.3	98.6	99.0	99.4	99.7	100.0	100.0	100.0	100.0	100.0
94.7	97.3	98.6	99.0	99.4	99.7	100.0	100.0	100.0	100.0	100.0

OPERATING LOCATION: MAP
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CE
FROM SUPPLY & OPERATIONS

STATION NUMBER: 93553 STATION NAME: UPPER HEYFORD RAF UK
LST TO UTC: - 0

CEILING	VISIBILITY IN MILES									
	1/2	3/4	1	1 1/2	2	3	4	5	6	7
FEET	112	37	49	60	43	46	32	24	23	18
NO CEIL	24.3	24.0	27.7	29.7	30.1	30.4	30.4	31.1	31.2	31.3
20000	25.3	30.3	34.5	36.7	37.6	37.4	38.4	38.6	39.1	39.2
15000	33.3	34.4	34.5	36.3	37.3	38.1	38.6	38.9	39.1	39.4
10000	33.3	33.6	34.5	35.3	37.7	38.1	38.8	38.9	39.1	39.4
14000	33.1	34.4	34.6	35.9	37.6	38.2	38.6	39.1	39.2	39.5
12000	33.4	34.7	35.7	36.3	38.2	38.5	39.3	39.5	39.6	39.7
10000	41.4	41.7	36.2	37.6	39.5	40.2	40.7	41.2	41.3	41.5
9000	40.1	40.4	37.1	39.4	40.7	41.1	41.6	42.1	42.3	42.5
8000	38.9	39.9	41.4	43.0	45.6	46.0	47.2	47.3	47.4	47.
7000	38.3	37.3	42.6	44.3	47.2	47.4	47.1	48.7	48.9	49.2
6000	41.3	39.4	43.7	45.7	48.3	49.0	49.5	50.3	50.3	50.5
5000	42.3	43.6	50.0	52.6	53.7	54.2	54.3	55.5	56.7	56.1
4500	44.4	46.4	53.6	55.5	56.3	56.9	59.3	59.7	61.1	61.5
4000	51.5	53.4	59.9	62.9	65.1	66.4	67.6	68.4	69.7	69.1
3500	55.1	58.	63.4	66.5	70.4	71.1	72.3	72.	73.1	73.5
3000	59.8	63.6	69.4	71.3	75.5	75.2	77.3	77.1	74.	75.3
2500	59.2	61.1	70.2	73.2	77.5	77.3	79.3	80.2	80.5	1.
2000	61.	63.7	72.5	75.7	80.1	80.9	82.0	82.8	83.3	83.7
1500	62.1	63.0	72.9	76.1	80.6	81.4	82.4	83.4	84.7	84.
1000	63.9	64.5	75.1	78.5	83.4	84.4	85.5	86.5	87.2	87.
800	64.3	67.3	75.2	79.3	84.3	85.1	87.3	88.4	89.3	89.
700	64.7	65.7	77.2	81.0	85.3	87.0	88.0	89.1	90.5	91.
600	64.3	65.9	77.5	81.4	85.5	88.1	89.3	90.5	91.2	91.
500	65.3	65.3	78.1	82.0	87.7	89.2	90.7	92.3	93.5	93.
400	65.0	65.5	78.6	82.4	88.4	90.0	91.7	93.5	94.0	94.
300	65.2	65.5	79.7	82.7	88.8	90.5	92.4	94.2	94.7	95.
200	65.5	65.5	79.0	83.1	89.3	91.0	93.1	95.1	95.5	95.
150	65.5	65.5	79.0	83.1	89.5	91.3	93.5	95.7	96.4	97.
100	65.5	65.5	79.0	83.2	89.6	91.4	93.6	95.1	95.5	97.
50	65.3	65.5	79.0	83.2	89.6	91.4	93.6	95.3	95.5	97.
0	65.3	65.5	79.0	83.2	89.6	91.4	93.6	95.3	95.5	97.

TOTAL NUMBER OF OBSERVATIONS 7438

FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

[illegible] RAF UK PERIOD OF RECORD: JUL 79 - JUN 83
MONTH: MAY HOURS: ALL

CEILING IN METERS	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
[illegible]	31.1	31.2	31.5	31.7	31.7	31.8	31.8	31.8	32.0	
[illegible]	[illegible]	[illegible]	[illegible]	39.5	39.6	39.5	39.6	39.7	39.6	
[illegible]	39.2	39.1	39.4	39.6	39.7	39.7	39.8	39.8	40.0	
[illegible]	39.0	39.1	39.4	39.5	39.7	39.7	39.8	39.8	40.0	
[illegible]	39.1	39.2	39.5	39.7	39.8	39.8	39.9	39.9	40.1	
[illegible]	39.5	39.5	39.9	40.1	40.2	40.2	40.3	40.3	40.5	
[illegible]	41.2	41.3	41.6	41.8	41.9	41.9	42.0	42.0	42.2	
41.5	42.1	42.2	42.5	42.8	42.9	42.9	43.0	43.0	43.2	
47.2	47.2	47.4	47.9	48.1	48.1	48.2	48.2	48.2	48.4	
49.1	49.7	49.9	49.2	49.5	49.5	49.6	49.7	49.7	49.9	
[illegible]	50.3	50.5	50.8	51.1	51.2	51.2	51.3	51.3	51.5	
[illegible]	55.5	55.7	55.1	55.4	55.5	55.5	55.5	55.7	55.9	
[illegible]	59.9	61.1	61.5	61.8	61.9	61.9	62.0	62.1	62.3	
[illegible]	[illegible]	63.7	68.1	69.4	69.5	69.5	69.7	69.7	69.9	
72.3	72.8	73.1	73.5	73.8	73.9	74.0	74.1	74.1	74.3	
77.9	79.1	79.4	79.0	79.3	79.4	79.4	79.5	79.6	79.8	
[illegible]	80.2	80.3	81.0	81.4	81.5	81.6	81.7	81.7	81.9	
[illegible]	82.9	83.2	83.7	84.1	84.2	84.2	84.4	84.4	84.6	
82.4	83.4	83.7	84.2	84.6	84.7	84.7	84.9	84.9	85.1	
85.5	86.5	87.0	87.4	87.8	87.9	88.0	88.1	88.1	88.3	
87.3	88.4	88.6	89.2	89.7	89.8	89.8	89.9	89.9	90.2	
[illegible]	90.1	90.5	91.1	91.5	91.6	91.6	91.6	91.6	92.0	
[illegible]	90.6	91.2	91.6	92.2	92.3	92.4	92.5	92.5	92.7	
[illegible]	92.3	92.8	93.4	93.8	93.9	94.0	94.1	94.1	94.3	
91.7	93.5	94.0	94.5	95.1	95.2	95.2	95.3	95.4	95.6	
92.4	94.2	94.7	95.4	95.9	96.0	96.0	96.1	96.2	96.4	
93.1	95.1	95.8	96.7	97.3	97.5	97.5	97.6	97.6	97.9	
93.5	95.7	96.4	97.4	98.1	98.3	98.3	98.5	98.5	98.3	
93.5	95.9	96.5	97.7	98.5	98.8	98.9	99.1	99.2	99.5	
93.6	95.3	95.6	97.3	98.6	98.9	99.0	99.4	99.5	99.9	
93.6	95.3	95.6	97.3	98.6	98.9	99.0	99.4	99.5	100.0	
93.6	95.3	95.6	97.3	98.6	98.9	99.0	99.4	99.6	100.0	

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF
FROM HOURLY OBSERVATI

STATION NUMBER: 03[illegible]
STATION NAME: UPPER HEYFORD RAF UK
LST TO UTC: - 0

CEILING IN FEET	VISIBILITY IN METERS GE 112	GE [illegible]	GE [illegible]	GE [illegible]	GE 4[illegible]	GE 40	GE 32	GE 24	GE [illegible]
NO CEIL	30.1	31.5	37.2	39.5	41.5	42.2	43.1	45.0	45.5
GE 20000	37.1	37.2	41.0	42.5	45.5	46.2	47.4	48.1	49.1
GE 18000	37.1	37.3	41.0	42.5	45.5	46.2	47.4	48.1	49.1
GE 16000	37.1	38.3	41.0	42.5	45.5	46.2	47.4	48.1	49.1
GE 14000	38.1	38.4	41.1	42.6	45.5	46.2	47.4	48.1	49.1
GE 12000	38.2	38.4	41.1	42.7	45.7	46.3	47.5	48.2	49.2
GE 10000	[illegible]	47.2	43.0	44.0	47.5	48.2	49.4	51.1	51.1
GE 9000	[illegible]	[illegible]	44.0	45.5	48.0	49.4	50.7	51.3	51.3
GE 8000	41.0	[illegible]	[illegible]	50.0	53.2	54.0	[illegible]	55.2	[illegible]
GE 7000	42.0	43.0	49.0	50.0	54.1	56.0	56.2	57.0	57.0
GE 6000	43.7	44.0	50.3	51.0	55.2	55.2	57.2	58.1	58.1
GE 5000	47.2	[illegible]	55.2	57.3	61.4	62.2	63.7	64.5	64.7
GE 4500	53.7	[illegible]	61.0	63.1	67.7	68.0	70.0	70.7	71.0
GE 4000	[illegible]	[illegible]	64.7	66.0	71.5	72.4	73.7	74.0	74.2
GE 3500	57.0	[illegible]	66.0	68.4	73.3	74.2	75.7	75.0	76.0
GE 3000	[illegible]	[illegible]	[illegible]	70.0	75.0	77.0	78.0	79.7	[illegible]
GE 2500	[illegible]	[illegible]	69.0	71.0	77.0	78.0	79.0	[illegible]	81.0
GE 2000	[illegible]	[illegible]	70.3	73.0	78.0	79.0	81.0	[illegible]	[illegible]
GE 1800	[illegible]	61.2	70.0	74.0	79.3	80.3	82.3	[illegible]	[illegible]
GE 1500	61.3	62.0	72.0	75.0	81.0	82.9	84.0	85.7	[illegible]
GE 1200	62.0	63.0	73.0	77.0	83.4	84.4	86.0	87.0	88.1
GE 1000	63.0	64.0	74.3	76.7	85.0	85.1	[illegible]	[illegible]	[illegible]
GE 900	63.7	64.7	75.1	78.0	85.4	85.5	88.1	90.0	90.2
GE 800	64.0	65.0	76.6	80.7	87.3	88.4	91.0	91.0	92.2
GE 700	64.9	66.1	77.0	81.2	88.0	89.2	92.1	93.0	93.3
GE 600	65.4	66.7	77.5	81.9	89.5	90.0	92.7	93.3	94.1
GE 500	65.0	67.0	78.1	82.5	89.6	91.3	94.6	96.0	96.3
GE 400	65.0	67.1	78.3	83.0	90.0	91.5	95.1	97.0	97.3
GE 300	65.3	67.1	78.3	83.0	90.2	92.2	95.5	98.0	97.4
GE 200	65.9	67.1	78.3	83.0	90.2	92.3	95.9	98.1	98.7
GE 100	65.9	67.1	78.3	83.0	90.2	92.3	95.9	98.1	98.8
GE 000	66.0	67.1	78.3	83.0	90.2	92.3	95.9	98.1	98.8

TOTAL NUMBER OF OBSERVATIONS 900

FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

[illegible] NAF UK PERIOD OF RECORD: JUL 74 - JUN 88
MONTH: JUN HOURS: 00-02

ITY IN METERS									
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	24	20	16	12	10	08	06	04	00
[illegible]	[illegible]	[illegible]	43.6	43.7	43.7	43.7	43.7	43.7	43.8
[illegible]	[illegible]	[illegible]	48.1	48.2	48.2	48.2	48.3	48.3	48.4
[illegible]	[illegible]	[illegible]	48.1	48.2	48.2	48.2	48.3	48.3	48.4
[illegible]	[illegible]	[illegible]	48.1	48.2	48.2	48.2	48.3	48.3	48.4
[illegible]	[illegible]	[illegible]	48.1	48.2	48.2	48.2	48.3	48.3	48.4
[illegible]	[illegible]	[illegible]	48.2	48.3	48.3	48.3	48.4	48.4	48.6
[illegible]	[illegible]	[illegible]	50.1	50.2	50.2	50.2	50.3	50.3	50.4
[illegible]	[illegible]	[illegible]	51.3	51.4	51.4	51.4	51.5	51.5	51.7
[illegible]	[illegible]	[illegible]	55.2	55.3	55.3	55.3	55.4	55.4	56.6
[illegible]	[illegible]	[illegible]	57.0	57.1	57.1	57.1	57.2	57.2	57.3
[illegible]	[illegible]	[illegible]	58.1	58.2	58.2	58.2	58.3	58.3	58.4
[illegible]	[illegible]	[illegible]	64.7	64.8	64.8	64.8	64.9	64.9	65.0
[illegible]	[illegible]	[illegible]	71.0	71.1	71.1	71.1	71.1	71.2	71.3
[illegible]	[illegible]	[illegible]	74.9	75.0	75.0	75.0	75.1	75.1	75.2
[illegible]	[illegible]	[illegible]	76.9	77.0	77.0	77.0	77.1	77.1	77.2
[illegible]	[illegible]	[illegible]	79.9	80.0	80.1	80.1	80.1	80.2	80.3
[illegible]	[illegible]	[illegible]	81.0	81.1	81.1	81.1	81.1	81.2	81.3
[illegible]	[illegible]	[illegible]	83.1	83.2	83.2	83.2	83.3	83.3	83.4
[illegible]	[illegible]	[illegible]	83.6	83.7	83.7	83.7	83.8	83.8	83.9
[illegible]	[illegible]	[illegible]	86.0	86.1	86.1	86.1	86.2	86.2	86.3
[illegible]	[illegible]	[illegible]	88.1	88.2	88.2	88.2	88.3	88.3	88.4
[illegible]	[illegible]	[illegible]	89.9	89.9	89.9	89.9	90.0	90.0	90.1
[illegible]	[illegible]	[illegible]	90.3	90.4	90.4	90.4	90.5	90.5	90.7
[illegible]	[illegible]	[illegible]	92.2	92.3	92.3	92.3	92.4	92.4	92.6
[illegible]	[illegible]	[illegible]	93.3	93.4	93.4	93.4	93.6	93.6	93.7
[illegible]	[illegible]	[illegible]	94.1	94.2	94.2	94.2	94.3	94.3	94.4
[illegible]	[illegible]	[illegible]	96.3	96.6	96.7	96.7	96.8	96.8	96.9
[illegible]	[illegible]	[illegible]	97.3	97.6	97.7	97.9	98.1	98.1	98.2
[illegible]	[illegible]	[illegible]	98.4	98.8	98.9	99.1	99.1	99.3	99.4
[illegible]	[illegible]	[illegible]	99.0	99.1	99.5	99.6	99.8	99.8	99.9
[illegible]	[illegible]	[illegible]	99.1	99.2	99.7	99.7	99.9	99.9	100.0
[illegible]	[illegible]	[illegible]	99.1	99.2	99.7	99.7	99.9	99.9	100.0

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEI
FROM HOURLY OBSERVATIONS

STATION NUMBER: 36553 STATION NAME: UPPER HEYFORD RAF UK PERIOD
LST TO UTC: - 0 MONTH:

CEILING IN FEET	VISIBILITY IN METERS 9E 112	9C 90	9G 80	9A 63	9E 48	6B 40	6E 32	3E 24	3B 20	9G 16
NO CEIL	17.2	17.3	23.1	25.4	29.2	29.4	30.2	31.1	31.5	32.1
9E 20000	19.5	22.3	25.7	29.1	33.4	33.7	34.5	35.0	35.5	37.3
9E 18000	19.5	22.3	25.7	29.1	33.4	33.7	34.5	35.0	35.5	37.3
9E 15000	19.5	22.3	25.7	29.1	33.4	33.7	34.5	35.0	35.5	37.3
9E 14000	20.0	20.5	25.9	29.3	33.7	33.9	34.8	35.2	35.9	37.2
9E 12000	20.2	20.9	27.2	29.8	34.3	34.5	35.4	37.0	37.6	39.0
9E 10000	21.7	22.2	28.5	31.3	35.9	36.1	37.1	38.7	39.2	39.7
9E 9000	22.3	22.6	29.2	31.8	35.7	36.9	37.9	39.4	40.0	40.4
9E 8000	24.9	25.4	33.4	35.0	41.3	41.7	42.0	44.5	45.1	46.0
9E 7000	25.2	25.5	34.4	37.0	42.4	42.1	44.2	45.7	46.3	47.2
9E 6000	27.2	28.0	36.2	38.5	44.4	45.0	46.4	48.1	48.7	49.5
9E 5000	31.3	31.7	40.3	43.9	50.5	51.2	52.9	54.4	55.4	55.9
9E 4500	34.9	35.2	44.3	47.4	55.4	56.2	57.4	58.9	59.4	61.4
9E 4000	35.4	37.4	47.2	51.5	58.5	59.4	62.3	64.4	65.0	65.1
9E 3500	37.6	38.7	49.7	53.3	61.3	62.2	64.1	66.2	66.3	67.9
9E 3000	38.4	39.6	49.9	54.7	63.0	64.0	65.2	68.4	69.0	73.2
9E 2500	39.9	40.1	50.4	55.2	63.9	64.9	67.1	69.3	69.6	71.1
9E 2000	40.7	41.5	52.4	57.3	65.2	67.4	69.4	72.3	72.9	74.1
9E 1800	41.2	42.3	53.0	58.0	67.0	68.2	70.5	73.1	73.7	76.7
9E 1500	42.7	43.5	54.9	60.1	69.5	70.6	73.1	75.1	75.8	78.1
9E 1200	43.4	44.5	55.4	61.1	70.6	71.8	74.2	77.2	77.9	79.4
9E 1000	44.0	45.1	55.3	62.1	71.7	72.9	75.3	78.6	79.2	80.2
9E 900	44.4	45.5	57.3	62.7	72.3	73.5	76.0	79.2	79.9	81.4
9E 800	45.0	46.1	57.9	63.5	73.2	74.4	77.0	80.2	80.9	82.4
9E 700	45.5	46.7	58.5	64.5	75.1	76.5	79.2	82.4	83.4	85.2
9E 600	45.9	47.0	59.2	65.4	75.3	77.8	80.7	84.7	85.5	87.8
9E 500	46.3	47.7	60.4	66.7	77.5	79.4	82.7	87.0	88.0	89.4
9E 400	46.9	48.0	61.0	67.2	78.4	80.1	83.6	89.5	90.9	91.9
9E 300	46.9	48.0	61.0	67.2	78.7	80.3	84.0	89.4	91.1	93.3
9E 200	46.9	48.0	61.0	67.2	78.7	80.3	84.0	90.1	91.7	94.1
9E 100	46.9	48.0	61.0	67.2	78.7	80.3	84.0	90.1	91.8	94.2
9E 000	46.9	48.0	61.0	67.2	78.7	80.3	84.0	90.1	91.8	94.2

TOTAL NUMBER OF OBSERVATIONS 900

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

UPPER HEYFORD RAF UK — PERIOD OF RECORD: JUL 78 - JUN 83
MONTH: JUN HOURS: 03-05

	VISIBILITY IN METERS										
	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
[illegible]	29.4	30.2	31.1	31.5	32.0	32.4	32.7	32.7	32.7	32.8	33.2
[illegible]	33.7	34.5	35.0	35.6	37.0	37.4	37.7	37.7	37.7	37.8	38.2
[illegible]	33.7	34.5	35.0	35.5	37.0	37.4	37.7	37.7	37.7	37.8	38.2
[illegible]	33.7	34.5	35.0	35.5	37.0	37.4	37.7	37.7	37.7	37.8	38.2
[illegible]	33.9	34.8	35.2	35.9	37.2	37.7	37.9	37.9	37.9	38.0	38.4
[illegible]	34.6	35.4	37.0	37.6	38.0	38.4	38.7	38.7	38.7	38.9	39.2
[illegible]	36.1	37.1	38.7	39.2	39.7	40.1	40.3	40.3	40.3	40.4	40.9
[illegible]	36.9	37.9	39.4	40.0	40.4	40.9	41.1	41.1	41.1	41.2	41.8
[illegible]	41.7	43.0	44.6	45.1	45.0	45.4	45.7	45.7	45.7	45.8	47.3
[illegible]	42.[illegible]	44.2	45.9	46.3	47.2	47.7	47.9	47.9	47.9	48.0	48.6
[illegible]	45.0	46.4	48.1	48.7	49.5	50.0	50.2	50.2	50.2	50.3	50.9
[illegible]	51.2	52.9	54.9	55.4	56.3	56.8	57.0	57.0	57.0	57.1	57.8
[illegible]	56.2	57.9	59.9	60.4	61.4	61.9	62.2	62.2	62.2	62.3	63.0
[illegible]	60.4	62.3	64.4	65.0	66.1	66.6	66.9	66.9	66.9	67.0	67.7
[illegible]	62.2	64.1	66.2	66.8	67.9	68.3	68.7	68.7	68.7	68.8	69.4
[illegible]	64.0	66.2	68.4	69.0	70.2	70.7	71.0	71.0	71.0	71.1	71.8
[illegible]	64.9	67.1	69.3	69.9	71.1	71.8	72.1	72.1	72.1	72.2	72.9
[illegible]	67.4	69.8	72.3	72.9	74.2	74.9	75.2	75.2	75.2	75.3	76.0
[illegible]	68.2	70.6	73.1	73.7	75.0	75.7	76.0	76.0	76.0	76.1	76.8
[illegible]	70.8	73.1	76.1	76.8	78.1	78.8	79.1	79.1	79.1	79.2	79.9
[illegible]	71.8	74.2	77.2	77.9	79.4	80.3	80.7	80.7	80.7	80.8	81.4
[illegible]	72.9	75.3	78.6	79.2	80.8	81.7	82.0	82.0	82.0	82.1	82.8
[illegible]	73.5	76.0	79.2	79.9	81.4	82.3	82.7	82.7	82.7	82.8	83.4
[illegible]	74.4	77.0	80.2	80.9	82.4	83.3	83.8	83.8	83.8	83.9	84.6
[illegible]	76.5	79.2	82.8	83.4	85.2	86.2	86.7	86.7	86.7	86.8	87.4
[illegible]	77.8	80.7	84.7	85.6	87.3	88.3	89.0	89.0	89.0	89.1	89.8
[illegible]	79.4	82.7	87.0	88.0	89.9	91.1	91.8	91.9	91.9	92.0	92.7
[illegible]	80.1	83.6	88.8	89.9	91.9	93.2	94.1	94.4	94.6	94.7	95.3
[illegible]	80.3	84.0	89.8	91.1	93.3	94.9	95.9	96.3	96.4	96.7	97.3
[illegible]	80.3	84.0	90.1	91.7	94.1	95.9	97.0	97.6	97.8	98.1	99.1
[illegible]	80.3	84.0	90.1	91.8	94.2	96.1	97.2	97.8	98.2	98.8	100.0
[illegible]	80.3	84.0	90.1	91.8	94.2	96.1	97.2	97.8	98.2	98.8	100.0

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CE
FROM HOURLY OBSERVATIONS

STATION NUMBER: 36553 STATION NAME: UPPER HEYFORD RAF UK PERIOD
LST TO UTC: - 0 MONTH:

CEILING IN FEET	VISIBILITY IN METERS GE 112	GE 40	GE 80	GE 50	GE 42	GE 40	GE 32	GE 24	GE 20	GE 16
NO CEIL	15.1	15.1	19.4	20.6	23.7	24.6	25.1	25.9	26.0	26.4
GE 20000	19.4	19.9	25.3	26.3	30.6	31.7	32.5	33.6	33.8	34.3
GE 18000	19.4	19.9	25.3	26.5	30.6	31.7	32.5	33.6	33.8	34.3
GE 16000	19.4	19.9	25.3	26.5	30.6	31.7	32.5	33.6	33.8	34.3
GE 14000	19.3	20.2	25.7	27.1	30.9	32.0	32.9	33.9	34.1	34.7
GE 12000	20.3	20.9	26.3	27.9	31.7	32.8	33.7	34.7	35.0	35.5
GE 10000	23.0	23.4	29.3	31.1	35.0	36.1	37.2	38.3	38.7	38.8
GE 9000	23.4	24.0	30.1	31.9	36.0	37.1	38.2	39.3	39.8	40.3
GE 8000	26.5	27.1	33.2	35.7	39.9	41.0	42.3	43.4	44.0	44.5
GE 7000	27.5	28.2	35.2	37.3	41.9	43.0	44.3	45.4	46.0	46.5
GE 6000	27.9	28.4	36.0	38.3	43.1	44.2	45.6	47.0	47.6	48.1
GE 5000	31.2	31.9	39.7	42.2	47.3	48.5	50.0	51.4	52.1	52.7
GE 4500	33.5	34.4	42.3	44.9	49.7	51.2	52.7	54.2	54.9	55.4
GE 4000	36.4	37.4	45.9	48.9	53.9	55.4	56.9	58.7	59.3	59.9
GE 3500	39.1	39.1	47.7	50.7	55.7	57.4	58.9	60.7	61.3	61.9
GE 3000	40.9	42.1	51.3	54.3	59.4	61.9	63.2	65.1	65.9	66.4
GE 2500	42.1	43.3	52.9	56.0	61.1	63.4	64.9	66.9	67.5	68.5
GE 2000	43.9	45.1	54.8	58.1	63.3	66.1	67.6	69.6	70.4	71.2
GE 1800	44.4	46.7	55.3	58.9	64.5	66.9	68.3	70.3	71.2	71.9
GE 1500	47.0	48.2	58.4	62.2	68.0	70.4	71.9	74.1	75.0	75.6
GE 1200	47.9	49.1	59.6	63.3	69.4	72.0	73.4	75.7	76.6	77.9
GE 1000	48.4	49.7	60.4	64.7	71.0	74.0	75.5	77.8	78.5	79.4
GE 900	49.0	50.2	61.2	65.5	72.0	75.0	76.5	78.9	79.5	80.6
GE 800	49.7	50.9	62.1	66.4	73.1	76.3	78.0	80.2	81.2	82.1
GE 700	50.0	51.2	62.5	67.4	75.0	78.3	80.2	82.4	83.4	84.4
GE 600	50.5	51.6	63.2	68.4	76.3	79.8	82.1	85.0	86.1	87.1
GE 500	51.3	52.6	65.0	70.3	78.8	82.2	85.0	88.4	90.9	91.9
GE 400	51.3	52.6	65.0	70.3	78.9	82.3	85.3	90.3	92.0	93.3
GE 300	51.3	52.6	65.1	70.6	79.1	82.7	85.9	91.1	93.3	95.1
GE 200	51.3	52.6	65.1	70.6	79.1	82.8	86.0	91.4	93.7	95.9
GE 100	51.3	52.6	65.1	70.6	79.1	82.8	86.0	91.4	93.7	95.9
GE 000	51.3	52.6	65.1	70.6	79.1	82.8	86.0	91.4	93.7	95.9

TOTAL NUMBER OF OBSERVATIONS 900

FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

HO RAF UK PERIOD OF RECORD: JUL 78 - JUN 88
MONTH: JUN HOURS: 06-08

CEILING IN METERS / VISIBILITY IN METERS	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
	25.1	25.9	26.0	26.4	26.8	26.8	26.8	26.8	26.8	26.8
	32.6	33.6	33.8	34.3	34.7	34.7	34.7	34.7	34.7	34.7
	32.6	33.6	33.8	34.3	34.7	34.7	34.7	34.7	34.7	34.7
	32.6	33.6	33.8	34.3	34.7	34.7	34.7	34.7	34.7	34.7
	32.9	33.9	34.1	34.7	35.0	35.0	35.0	35.0	35.0	35.0
	33.7	34.7	35.0	35.6	35.9	35.9	35.9	35.9	35.9	35.9
	37.2	38.3	38.6	39.3	39.7	39.7	39.7	39.7	39.7	39.7
	38.2	39.3	39.8	40.3	40.7	40.7	40.7	40.7	40.7	40.8
	42.8	43.4	44.0	44.6	44.9	44.9	44.9	44.9	44.9	45.0
	44.3	45.4	46.0	46.6	46.9	46.9	46.9	46.9	46.9	47.0
	45.6	47.0	47.6	48.1	48.4	48.4	48.4	48.4	48.4	48.6
	50.0	51.4	52.1	52.7	53.0	53.0	53.0	53.0	53.0	53.1
	52.7	54.2	54.9	55.4	55.8	55.8	55.8	55.8	55.8	55.9
	55.9	58.7	59.3	59.9	60.2	60.2	60.2	60.2	60.2	60.3
	58.9	60.7	61.3	61.9	62.3	62.3	62.3	62.3	62.3	62.4
	63.2	65.1	65.9	66.4	66.9	66.9	66.9	66.9	66.9	67.0
	63.9	65.9	67.6	68.3	68.9	68.9	68.9	68.9	68.9	69.0
	67.5	69.6	70.4	71.0	71.6	71.7	71.7	71.7	71.7	71.8
	69.3	70.3	71.2	71.8	72.3	72.4	72.4	72.4	72.4	72.6
	71.9	74.1	75.0	75.6	76.1	76.2	76.2	76.2	76.2	76.3
	73.4	75.7	76.6	77.2	77.8	77.9	77.9	77.9	77.9	78.0
	75.6	77.8	78.8	79.6	80.2	80.3	80.3	80.3	80.3	80.4
	76.6	78.8	79.8	80.6	81.2	81.3	81.3	81.3	81.3	81.4
	78.0	80.2	81.2	82.1	82.8	82.9	82.9	82.9	82.9	83.0
	80.2	82.4	83.4	84.4	85.2	85.3	85.3	85.3	85.3	85.4
	82.1	85.0	86.1	87.1	87.9	88.1	88.1	88.3	88.3	88.4
	85.0	89.4	90.9	91.9	92.8	93.0	93.0	93.2	93.2	93.3
	85.3	90.3	92.0	93.3	94.4	94.8	94.8	95.1	95.1	95.2
	85.9	91.1	93.3	95.1	96.3	96.9	96.9	97.2	97.4	97.6
	85.9	91.4	93.7	95.8	97.1	97.8	97.9	98.4	98.7	99.1
	86.0	91.4	93.7	95.8	97.1	97.8	97.9	98.9	99.1	100.0
	86.0	91.4	93.7	95.8	97.1	97.8	97.9	98.9	99.1	100.0

OPERATING LOCATION "A"
MCAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF (
FROM HOURLY OBSERVATION

STATION NUMBER: 3[illegible]53 STATION NAME: UPPER BEYERD RAF UK PERI
LST TO UTC: - 0 MONT

CEILING IN FEET	VISIBILITY IN METERS 112	80	50	50	40	40	32	24	20	16
NO CEIL	13.3	13.4	16.0	17.3	18.9	19.3	19.4	19.4	19.4	19.
30000	19.4	22.0	23.2	24.7	26.3	26.6	27.1	27.1	27.1	27.
15000	19.4	22.1	23.3	24.8	25.4	26.9	27.2	27.2	27.2	27.
10000	19.4	20.1	23.3	24.6	25.4	26.9	27.2	27.2	27.2	27.
14000	20.4	21.0	24.2	25.7	27.3	27.8	28.1	28.1	28.1	28.
12000	20.9	21.4	24.7	26.2	27.9	28.3	28.7	28.7	28.7	28.
10000	24.4	25.4	29.1	31.0	32.8	33.2	33.6	33.6	33.6	33.
9000	25.0	26.4	30.1	32.0	33.8	34.2	34.6	34.6	34.6	34.
8000	27.8	29.7	32.8	34.7	36.7	37.3	37.7	37.7	37.7	37.
7000	28.4	30.3	33.4	35.3	37.3	38.0	38.3	38.3	38.3	38.
6000	29.4	31.3	34.5	36.4	38.4	39.1	39.4	39.4	39.4	39.
5000	33.8	34.1	38.3	40.4	42.9	43.6	43.9	44.1	44.2	44.
4500	35.	37.2	41.6	43.9	46.6	47.2	47.5	47.7	47.8	47.
4000	43.0	43.2	47.8	50.3	53.2	54.0	54.4	54.6	54.7	54.
3500	47.4	49.0	54.9	57.4	60.6	61.4	62.0	62.3	62.4	62.
3000	55.3	57.7	64.0	66.8	69.9	70.8	71.3	71.7	71.	71.
2500	63.3	66.1	68.9	71.7	75.0	75.9	76.4	76.6	76.8	76.
2000	64.0	66.8	73.0	76.6	79.4	80.3	80.9	81.2	81.3	81.
1500	64.3	66.2	73.6	76.3	80.0	80.9	81.4	81.6	81.9	81.
1000	66.6	68.4	76.4	79.1	83.9	85.0	85.6	85.8	86.0	86.
500	68.1	70.9	79.3	82.2	86.7	87.9	88.5	88.9	89.0	89.
300	68.3	70.8	80.1	84.4	89.1	90.4	91.2	91.6	91.9	91.
200	69.1	71.6	80.4	85.0	89.5	91.2	92.1	92.4	92.9	92.
100	69.4	71.3	81.3	85.2	91.1	92.6	93.3	94.1	94.2	94.
700	69.5	71.4	81.7	85.7	92.3	94.1	95.0	96.0	95.4	95.
600	69.5	71.4	81.8	85.9	92.6	94.4	95.4	96.4	95.9	96.
500	69.5	71.4	81.9	87.2	93.3	95.3	97.0	98.2	99.2	99.
400	69.5	71.4	81.9	87.2	93.4	95.4	97.1	98.5	99.4	99.
300	69.5	71.4	81.9	87.2	93.4	95.4	97.1	98.4	99.4	99.
200	69.5	71.4	81.9	87.2	93.4	95.4	97.1	98.4	99.4	99.
100	69.5	71.4	81.9	87.2	93.4	95.4	97.1	98.4	99.4	99
000	69.5	71.4	81.9	87.2	93.4	95.4	97.1	98.4	99.4	99

TOTAL NUMBER OF OBSERVATIONS 900

CENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

PER HEYFORD RAF UK PERIOD OF RECORD: JUL 79 - JUN 88
MONTH: JUN HOURS: 09-11

VISIBILITY IN METERS										
GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
19.3	19.4	19.4	19.4	19.4	19.4	19.4	19.4	19.4	19.4	19.4
26.5	27.1	27.1	27.1	27.1	27.1	27.1	27.1	27.1	27.1	27.1
26.9	27.2	27.2	27.2	27.2	27.2	27.2	27.2	27.2	27.2	27.2
26.9	27.2	27.2	27.2	27.2	27.2	27.2	27.2	27.2	27.2	27.2
27.3	28.1	28.1	28.1	28.1	28.1	28.1	28.1	28.1	28.1	28.1
28.3	28.7	28.7	28.7	28.7	28.7	28.7	28.7	28.7	28.7	28.7
33.2	33.6	33.6	33.6	33.6	33.6	33.6	33.6	33.6	33.6	33.6
34.2	34.5	34.6	34.6	34.6	34.6	34.6	34.6	34.6	34.6	34.6
37.3	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7
38.0	38.3	38.3	38.3	38.3	38.3	38.3	38.3	38.3	38.3	38.3
39.1	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4
43.5	43.9	44.1	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2
47.2	47.5	47.9	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0
54.0	54.4	54.8	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9
61.4	62.0	62.3	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4
70.5	71.3	71.7	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8
75.0	75.4	75.8	75.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9
80.3	80.9	81.2	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
80.9	81.4	81.8	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
85.0	85.6	85.9	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0
87.9	88.5	88.9	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
90.4	91.2	91.6	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9
91.2	92.0	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
92.5	93.3	94.1	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
94.1	95.0	96.0	96.4	96.4	96.6	96.6	96.6	96.6	96.6	96.6
94.4	95.4	96.4	96.9	96.9	97.0	97.0	97.0	97.0	97.0	97.0
95.3	97.0	98.2	98.3	98.8	99.0	99.1	99.1	99.1	99.1	99.1
95.4	97.1	98.3	98.9	99.0	99.2	99.3	99.3	99.3	99.3	99.3
95.4	97.1	98.4	99.4	99.6	99.8	99.9	99.9	100.0	100.0	100.0
95.4	97.1	98.4	99.4	99.6	99.8	99.9	99.9	100.0	100.0	100.0
95.4	97.1	98.4	99.4	99.6	99.8	99.9	99.9	100.0	100.0	100.0
95.4	97.1	98.4	99.4	99.6	99.8	99.9	99.9	100.0	100.0	100.0

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF
FROM HOURLY OBSERVATIO

STATION NUMBER: 36553 STATION NAME: UPPER HEYFORD RAF UK
LST TO UTC: - 0

CEILING IN FEET	VISIBILITY IN METERS 10	9	8	7	6	5	4	3	2	1
NO CEIL	19.9	19.9	19.9	19.9	19.9	19.9	19.9	19.9	19.9	19
GE 20000	23.1	23.2	25.4	25.9	27.1	27.1	27.1	27.1	27.1	27
GE 18000	23.2	23.3	25.6	27.0	27.2	27.2	27.2	27.2	27.2	27
GE 16000	23.2	23.3	25.6	27.0	27.2	27.2	27.2	27.2	27.2	27
GE 14000	23.7	23.8	27.0	27.4	27.7	27.7	27.7	27.7	27.7	27
GE 12000	24.1	24.2	27.4	28.0	28.4	28.4	28.4	28.4	28.4	28
GE 10000	29.4	29.6	32.2	32.6	33.2	33.2	33.3	33.3	33.3	33
GE 9000	30.3	30.3	33.3	34.3	34.3	34.3	34.4	34.4	34.4	34
GE 8000	33.7	34.0	37.9	38.4	39.0	39.0	39.1	39.1	39.1	39
GE 7000	34.2	34.5	38.7	39.2	39.8	39.8	39.9	39.9	39.9	39
GE 6000	36.4	36.8	39.9	40.4	41.0	41.0	41.1	41.1	41.1	41
GE 5000	43.	41.	45.4	47.1	47.9	47.9	48.0	48.0	48.0	48
GE 4500	47.3	48.7	51.3	52.0	52.2	53.0	53.1	53.1	53.1	53
GE 4000	51.4	56.2	62.0	62.4	63.7	63.9	64.2	64.2	64.2	64
GE 3500	66.2	67.7	73.4	74.2	75.1	75.3	75.7	75.7	75.7	75
GE 3000	71.9	72.2	79.6	80.4	81.6	81.8	82.1	82.1	82.1	82
GE 2500	74.5	75.7	82.2	83.7	84.3	85.0	85.4	85.4	85.4	85
GE 2000	75.2	77.1	85.4	86.5	87.7	87.9	88.3	88.3	88.3	88
GE 1800	75.3	77.1	85.7	86.9	88.1	88.3	88.5	88.5	88.5	88
GE 1500	76.9	79.3	88.1	89.4	91.1	91.3	91.5	91.5	91.5	91
GE 1200	78.7	81.4	89.1	91.9	93.2	93.5	94.1	94.1	94.1	94
GE 1000	79.4	81.2	90.2	93.0	95.7	96.0	96.3	96.3	96.3	96
GE 900	79.4	81.2	90.8	93.0	95.7	96.2	97.2	97.2	97.2	97
GE 800	79.4	81.2	90.9	93.1	95.8	96.3	97.4	97.4	97.4	97
GE 700	79.4	81.6	91.4	93.5	97.2	97.9	99.0	99.2	99.2	9
GE 600	79.9	81.7	91.5	94.0	97.4	98.1	99.2	99.5	99.5	9
GE 500	79.9	81.7	91.6	94.1	97.6	98.2	99.3	99.7	99.7	9
GE 400	79.9	81.7	91.6	94.1	97.6	98.2	99.3	99.7	99.7	9
GE 300	79.9	81.7	91.6	94.1	97.6	98.2	99.3	99.7	99.7	10
GE 200	79.9	81.7	91.6	94.1	97.6	98.2	99.3	99.7	99.7	10
GE 100	79.9	81.7	91.6	94.1	97.6	98.2	99.3	99.7	99.7	10
GE 000	79.9	81.7	91.6	94.1	97.6	98.2	99.3	99.7	99.7	10

TOTAL NUMBER OF OBSERVATIONS 900

FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

[illegible] RAF UK PERIOD OF RECORD: JUL 78 - JUN 83
MONTH: JUN HOURS: 12-14

LITY IN METERS GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
19.9	19.9	19.9	19.9	19.9	19.9	19.9	19.9	19.9	19.9
27.1	27.1	27.1	27.1	27.1	27.1	27.1	27.1	27.1	27.1
27.2	27.2	27.2	27.2	27.2	27.2	27.2	27.2	27.2	27.2
27.2	27.2	27.2	27.2	27.2	27.2	27.2	27.2	27.2	27.2
27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7
28.4	28.4	28.4	28.4	28.4	28.4	28.4	28.4	28.4	28.4
33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3
34.9	34.9	34.9	34.9	34.9	34.9	34.9	34.9	34.9	34.9
39.1	39.1	39.1	39.1	39.1	39.1	39.1	39.1	39.1	39.1
39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9
41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1
48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0
53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1
64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2
75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7
82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1
85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4
88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3
88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8
91.3	91.3	91.3	91.8	91.8	91.8	91.8	91.8	91.8	91.8
94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1
96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
99.0	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
99.2	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
99.3	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8
99.3	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8
99.3	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0
99.3	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0
99.3	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0
99.3	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVAT

STATION NUMBER: 36653 STATION NAME: UPPER HEYFORD RAF UK
LST TO UTC: - 0

CEILING IN FEET	VISIBILITY IN METERS 9E 110	6F 90	5E 70	3E 50	3E 45	3F 40	3F 32	3F 24	3E 20	
NO CEIL	16.5	16.7	19.3	19.3	19.3	19.3	19.3	19.3	19.3	
9E 20000	24.5	25.1	28.2	28.2	23.2	28.2	28.2	28.2	28.2	
9E 18000	24.5	25.1	28.2	28.2	23.2	28.2	28.2	28.2	28.2	
9E 16000	24.5	25.1	28.2	28.2	23.2	28.2	28.2	28.2	28.2	
9E 14000	24.9	25.2	28.3	28.3	28.3	28.3	28.3	28.3	28.3	
9E 12000	25.2	26.7	29.9	29.9	29.9	29.9	29.9	29.9	29.9	
9E 10000	30.9	30.4	34.4	34.4	34.4	34.4	34.4	34.4	34.4	
9E 9000	31.2	33.0	35.3	35.3	35.3	35.3	35.3	35.3	35.3	
9E 8000	35.7	37.4	41.6	41.7	41.7	41.7	41.7	41.7	41.7	
9E 7000	3[illegible].7	39.4	43.9	43.9	43.9	43.9	43.9	43.9	43.9	
9E 6000	42.4	45.2	47.7	47.7	47.7	47.7	47.7	47.7	47.7	
9E 5000	50.7	51.7	56.9	56.7	57.2	57.2	57.2	57.2	57.2	
9E 4500	50.4	51.7	56.5	56.9	57.2	57.2	57.2	57.2	57.2	
9E 4000	70.[illegible]	71.5	77.4	77.9	73.7	73.7	7[illegible].7	7[illegible].3	7[illegible].3	
9E 3500	74.7	76.9	83.[illegible]	83.6	84.4	84.4	84.4	84.5	84.5	
9E 3000	77.3	79.2	87.3	87.9	89.1	89.1	89.1	89.2	89.2	
9E 2500	80.2	82.2	89.3	90.9	91.2	91.2	91.2	91.3	91.3	
9E 2000	81.2	83.2	90.4	91.1	92.4	92.4	92.4	92.5	92.5	
9E 1500	81.3	83.3	90.5	91.2	92.5	92.5	92.5	92.7	92.7	
9E 1500	82.3	84.3	91.8	92.4	94.0	94.0	94.0	94.1	94.1	
9E 1200	82.9	84.9	92.3	93.0	94.9	95.0	95.0	95.1	95.1	
9E 1000	83.0	85.1	92.6	93.5	95.4	95.9	95.9	96.1	96.1	
9E 900	83.1	85.2	92.9	93.9	96.2	96.3	96.3	96.7	96.7	
9E 800	83.1	85.2	93.2	94.2	96.7	97.0	97.0	97.7	97.7	
9E 700	83.2	85.3	93.4	94.7	97.2	97.7	97.7	98.8	98.8	
9E 600	83.2	85.3	93.4	94.7	97.2	97.7	97.9	99.0	99.0	
9E 500	83.2	85.3	93.4	94.9	97.4	98.1	98.3	99.7	99.7	
9E 400	83.2	85.3	93.4	94.9	97.6	98.2	98.4	99.8	99.8	1
9E 300	83.2	85.3	93.4	94.9	97.6	98.2	98.4	99.8	99.8	1
9E 200	83.2	85.3	93.4	94.9	97.6	98.2	98.4	99.8	99.8	1
9E 100	83.2	85.3	93.4	94.9	97.6	98.2	98.4	99.8	99.8	1
9E 000	83.2	85.3	93.4	94.9	97.6	98.2	98.4	99.8	99.8	1

TOTAL NUMBER OF OBSERVATIONS 900

FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

YFORD RAF UK PERIOD OF RECORD: JUL 73 - JUN 83
MONTH: JUN HOURS: 15-17

ILITY IN METERS

GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
19.3	19.3	19.3	19.3	19.3	19.3	19.3	19.3	19.3	19.3
28.2	28.2	28.2	28.2	28.2	28.2	28.2	28.2	28.2	28.2
28.2	28.2	28.2	28.2	28.2	28.2	28.2	28.2	28.2	28.2
28.2	28.2	28.2	28.2	28.2	28.2	28.2	28.2	28.2	28.2
28.3	28.3	28.3	28.3	28.3	28.3	28.3	28.3	28.3	28.3
29.9	29.9	29.9	29.9	29.9	29.9	29.9	29.9	29.9	29.9
34.4	34.4	34.4	34.4	34.4	34.4	34.4	34.4	34.4	34.4
35.8	35.8	35.8	35.8	35.8	35.8	35.8	35.8	35.8	35.8
41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7
43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9
47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0
67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2
78.7	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8
84.4	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6
89.1	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2
91.2	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
92.4	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6
92.5	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7
94.0	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1
95.0	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1
96.0	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
96.3	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
97.0	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
97.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
97.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
98.3	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9
98.4	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0
98.4	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0
98.4	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0
98.4	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0
98.4	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0

OPERATING LOCATION "A" PERCENTAGE FREQUENCY OF OCCURRENCE O
USAFETAC, ASHEVILLE NC FROM HOURLY OBSERVATI

STATION NUMBER: 55553 STATION NAME: UPPER HUYFORD RAF UK
LST TO UTC: - 0

CEILING IN FEET	VISIBILITY IN METERS 1	2	3	4	5	6	7	8	9	10
	112	46	39	60	43	40	32	24	23	
NO CEIL	25.7	25.9	29.0	29.3	29.3	29.3	29.3	29.3	29.3	2
22000	34.3	34.7	38.6	39.2	39.4	39.4	39.4	39.4	39.4	3
17000	34.	35.1	39.0	39.7	39.9	39.9	39.9	39.9	39.9	3
15000	34.3	35.1	39.0	39.7	39.9	39.9	39.9	39.9	39.9	3
14000	35.2	35.6	39.4	40.1	40.3	40.3	40.3	40.3	40.3	4
12000	37.1	37.6	41.4	42.4	42.7	42.7	42.7	42.7	42.7	4
10000	40.1	41.4	45.9	46.6	46.9	46.9	46.9	46.9	46.9	4
9000	41.6	42.9	47.1	47.8	48.1	48.1	48.1	48.1	48.1	4
8000	45.3	47.8	52.7	53.6	53.9	53.9	54.0	54.0	54.	
7000	49.2	53.3	55.6	56.4	56.9	56.9	57.0	57.0	57.0	5
6000	53.0	54.3	60.1	61.2	61.6	61.6	61.7	61.7	61.7	5
5000	55.9	61.2	67.6	68.6	69.7	69.7	69.8	69.	69.8	5
4500	60.1	64.2	75.2	76.7	77.3	77.3	77.4	77.4	77.4	7
4000	72.6	74.6	81.6	83.8	84.3	84.4	84.5	84.5	84.5	8
3500	73.3	75.2	84.1	85.7	86.9	87.0	87.2	87.2	87.2	8
3000	75.7	77.8	86.6	88.7	90.0	90.1	90.3	90.3	90.3	9
2500	76.3	78.7	87.6	89.4	90.8	90.9	91.1	91.1	91.1	9
2000	77.3	79.3	88.0	90.1	91.6	91.7	92.1	92.1	92.1	9
1800	77.3	79.6	88.3	90.4	91.9	92.0	92.4	92.4	92.4	9
1500	78.3	80.7	89.7	91.9	93.2	93.3	93.9	93.9	93.9	9
1200	78.6	81.3	90.0	92.3	93.6	93.7	94.2	94.2	94.2	9
1000	78.9	81.6	91.0	93.2	95.2	95.3	95.9	95.9	95.9	9
900	78.9	81.9	91.6	93.8	95.6	95.9	96.4	96.6	96.6	9
800	79.7	82.0	91.9	94.1	95.9	96.2	97.0	97.4	97.4	9
700	79.7	82.0	92.0	94.2	96.5	97.1	97.9	98.3	98.4	9
600	79.9	82.1	92.2	94.4	96.9	97.4	98.3	98.8	98.9	9
500	80.0	82.3	92.4	94.7	97.1	97.6	98.7	99.3	99.5	9
400	80.0	82.3	92.4	94.7	97.1	98.0	98.9	99.6	99.9	10
300	80.0	82.3	92.4	94.7	97.1	98.0	98.9	99.6	99.9	10
200	80.0	82.3	92.4	94.7	97.1	98.0	98.9	99.6	99.9	10
100	80.0	82.3	92.4	94.7	97.1	98.0	98.9	99.6	99.9	10
000	80.0	82.3	92.4	94.7	97.1	98.0	98.9	99.6	99.9	10

TOTAL NUMBER OF OBSERVATIONS 900

UENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

RAF UK PERIOD OF RECORD: JUL 78 - JUN 88
MONTH: JUN HOURS: 19-20

ITY IN METERS

GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
29.3	29.3	29.3	29.3	29.3	29.3	29.3	29.3	29.3	29.3
39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4
39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9
39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9
40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3
42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7
46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9
48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1
54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0
57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0
61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8
77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
4.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5
7.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2
.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1
92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1
92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4
93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9
94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
96.0	96.0	96.0	96.1	96.1	96.1	96.1	96.1	96.1	96.1
96.4	96.6	96.6	96.7	96.7	96.7	96.7	96.7	96.7	96.7
97.0	97.4	97.4	97.6	97.6	97.6	97.6	97.6	97.6	97.6
97.9	98.3	98.4	98.7	98.7	98.7	98.7	98.7	98.7	98.7
98.3	98.8	98.9	99.1	99.1	99.1	99.1	99.1	99.1	99.1
98.7	99.3	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8
[illegible]	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
[illegible]	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
[illegible]	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
98.9	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
98.9	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0

OPERATING LOCATION "A" PERCENTAGE FREQUENCY OF OCCURRENCE
USAFETAC, ASHEVILLE, NC FROM HOURLY OBSERVAT

STATION NUMBER: 36963 STATION NAME: UPPER BLYTHEVILLE AFB AR
LST TO UTC: - 6

CEILING IN FEET	VISIBILITY IN METERS 1	2	3	4	5	6	7	8	9
	110	22	40	63	48	40	32	24	19
NO CEIL	32.4	33.3	34.3	39.3	40.4	40.7	40.9	40.9	40.9
20000	43.2	43.2	45.9	47.1	48.6	49.6	49.8	49.8	49.8
18000	43.6	45.6	46.2	47.4	48.7	49.9	49.2	49.2	49.2
15000	43.6	45.6	46.2	47.4	48.7	49.9	49.2	49.2	49.2
14000	43.6	45.6	46.2	47.4	48.7	49.9	49.2	49.2	49.2
12000	44.6	46.6	47.8	49.2	50.0	50.2	50.6	50.6	50.6
10000	47.1	48.1	49.3	51.6	51.8	52.0	52.3	52.3	52.3
9000	47.6	49.6	50.7	52.1	53.3	53.6	53.9	53.9	53.9
8000	48.4	50.4	51.4	55.3	57.2	57.4	57.6	57.6	57.6
7000	49.2	49.2	56.2	57.7	59.1	59.2	59.4	59.5	59.5
6000	51.2	53.2	59.4	61.4	62.2	62.4	63.3	63.3	63.3
5000	54.6	56.6	57.4	67.0	69.9	69.1	69.3	69.3	69.3
4500	61.1	62.1	72.1	74.1	75.1	75.4	77.1	77.1	77.1
4000	64.3	65.5	75.7	77.3	80.6	80.6	81.1	81.1	81.1
3500	66.3	67.2	77.6	73.7	82.0	82.3	83.1	83.1	83.5
3000	67.7	69.1	79.3	82.6	85.7	85.9	86.9	86.3	87.1
2500	69.5	69.6	81.1	83.5	85.7	87.0	87.7	87.7	88.1
2000	69.8	70.7	82.3	84.4	87.9	89.2	89.2	89.2	89.4
1500	69.8	70.7	82.0	84.4	88.2	88.3	89.3	89.3	89.5
1000	70.7	72.2	83.4	85.1	89.9	90.2	91.3	91.3	91.5
1200	71.7	73.6	84.7	87.4	91.3	91.7	92.3	92.[illegible]	93.2
1000	72.1	73.4	85.3	88.1	92.3	92.3	94.1	94.1	94.3
900	72.3	73.7	85.5	88.4	92.9	93.3	94.7	94.7	94.9
800	72.4	73.8	85.5	88.5	93.2	93.7	95.2	95.2	95.2
700	72.7	74.0	85.1	89.1	93.3	94.4	95.9	95.9	95.1
600	72.9	74.2	85.4	89.4	94.2	94.9	95.3	95.3	95.5
500	73.7	75.0	87.2	90.2	95.0	95.3	97.5	97.9	98.1
400	73.7	75.0	87.4	90.7	95.4	96.3	98.1	98.4	98.7
300	73.7	75.0	87.5	90.8	95.6	96.5	98.3	98.7	98.9
200	73.7	75.0	87.5	90.9	95.6	96.6	98.3	98.7	98.9
100	73.7	75.0	87.5	90.9	95.6	96.5	98.3	98.7	98.9
000	73.7	75.0	87.5	90.9	95.6	96.5	98.3	98.7	98.9

TOTAL NUMBER OF OBSERVATIONS 909

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

[illegible] HOLYROOD [illegible] PERIOD OF RECORD: JUL 73 - JUN 86
MONTH: JUN HOURS: 21-23

CEILING IN FEET	VISIBILITY IN METERS 50 40	32	24	20	16	12	10	08	06	04	00
[illegible]	40.7	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	48.9
[illegible]	[illegible]	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2
[illegible]	[illegible]	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2
[illegible]	[illegible]	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2
[illegible]	[illegible]	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6
[illegible]	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3
[illegible]	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	58.0
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	59.3	59.3
[illegible]	[illegible]	[illegible]	[illegible]	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	69.3
[illegible]	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1
[illegible]	[illegible]	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	83.3
[illegible]	[illegible]	[illegible]	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	89.6
[illegible]	[illegible]	91.3	91.3	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	92.0
[illegible]	[illegible]	94.1	94.1	94.3	94.5	94.5	94.5	94.5	94.5	94.5	94.5
[illegible]	[illegible]	94.7	94.7	94.9	95.1	95.1	95.1	95.1	95.1	95.1	95.1
[illegible]	[illegible]	[illegible]	[illegible]	95.2	95.4	95.4	95.4	95.4	95.4	95.4	95.4
[illegible]	[illegible]	[illegible]	[illegible]	96.1	96.3	96.5	96.5	96.5	96.5	96.5	96.5
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	97.0	97.0	97.0	97.0	97.0	97.0	97.0
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	98.7	98.7	98.7	98.7	98.7	98.7
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	99.3	99.3	99.3	99.3	99.3
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	99.7	99.7	[illegible]	[illegible]	[illegible]	99.3	99.3
[illegible]	[illegible]	[illegible]	[illegible]	99.7	99.7	99.9	100.0	100.0	100.0	100.0	100.0
[illegible]	[illegible]	[illegible]	[illegible]	99.7	99.7	99.9	100.0	100.0	100.0	100.0	100.0
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	99.7	99.9	100.0	100.0	100.0	100.0	100.0

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CE
FROM HOURLY OBSERVATIONS

STATION NUMBER: 3[illegible]53 STATION NAME: UPPER HEYFORD RAF UK PERIOD
LST TO UTC: - 0 MONTH:

CEILING IN FEET	VISIBILITY IN METERS 9E 11[illegible]	9E [illegible]	9E 30	9E 60	9E 4[illegible]	9E 40	9E 32	9E 24	9E 20	9E 16
NO CEIL	21.2	21.5	25.2	26.2	27.5	28.1	28.4	28.7	28.9	29.3
9E 20000	26.3	27.3	31.3	33.1	34.9	35.2	35.7	35.1	35.2	35.3
9E 15000	27.3	27.5	32.0	33.2	35.0	35.3	35.4	35.2	35.3	35.4
9E 10000	27.3	27.5	32.0	33.2	35.0	35.3	35.5	35.2	35.3	35.4
9E 14000	27.3	27.6	32.3	33.5	35.3	35.5	35.1	35.5	35.6	35.7
9E 12000	29.1	29.5	33.3	34.5	36.3	36.7	37.1	37.5	37.5	37.[illegible]
9E 10000	31.9	31.5	36.5	37.5	39.7	40.5	43.5	41.0	41.1	41.2
9E 9000	31.9	32.5	37.5	38.9	40.9	41.2	41.5	42.2	42.3	42.4
9E 8000	35.[illegible]	35.3	41.9	43.2	43.4	45.4	45.4	46.3	47.2	47.5
9E 7000	35.[illegible]	37.[illegible]	43.2	44.7	45.9	47.3	48.3	49.4	49.5	49.7
9E 6000	3[illegible]	39.[illegible]	45.5	47.3	49.2	49.5	50.5	50.[illegible]	50.9	51.1
9E 5000	43.[illegible]	44.7	51.2	53.0	55.7	55.2	55.9	57.4	57.5	57.[illegible]
9E 4500	45.7	43.9	55.9	55.3	51.5	52.2	52.[illegible]	53.5	53.7	53.[illegible]
9E 4000	54.5	55.3	59.[illegible]	54.5	63.1	63.7	63.5	73.2	73.3	73.[illegible]
9E 3500	57.4	59.1	67.[illegible]	69.1	72.4	73.1	73.9	74.5	74.[illegible]	74.[illegible]
9E 3000	59.9	62.4	70.9	73.3	75.5	77.6	78.5	79.2	79.6	79.7
9E 2500	62.4	63.3	72.7	75.2	78.2	79.5	80.5	81.2	81.4	81.7
9E 2000	64.9	65.5	74.6	77.1	81.0	81.[illegible]	82.[illegible]	83.5	83.8	84.[illegible]
9E 1500	64.9	65.9	74.9	77.5	81.4	82.2	83.2	84.9	84.2	4.5
9E 1000	65.9	67.5	75.3	79.7	83.9	84.7	85.5	85.6	85.9	87.1
9E 1[illegible]	66.[illegible]	[illegible]	77.9	81.0	85.4	86.3	87.4	88.9	89.5	[illegible]
9E 1000	67.9	[illegible]	79.0	82.9	85.9	87.9	89.2	90.1	90.4	90.7
9E 900	67.[illegible]	69.2	79.4	82.7	87.5	88.5	89.5	90.7	91.0	91.4
9E 800	67.[illegible]	69.5	80.0	83.4	88.3	89.4	90.7	91.5	92.0	92.4
9E 700	[illegible].2	69.5	80.4	84.0	89.4	90.7	92.1	92.3	93.7	94.1
9E 600	67.4	70.0	80.7	84.4	90.9	91.3	92.9	94.9	94.6	95.9
9E 500	67.[illegible]	70.4	81.3	85.1	90.9	92.3	94.1	95.6	95.4	95.9
9E 400	67.[illegible]	70.4	81.4	85.3	91.1	92.5	94.3	95.5	97.0	97.[illegible]
9E 300	67.[illegible]	70.4	81.4	85.3	91.2	92.7	94.7	95.9	97.6	98.3
9E 200	67.[illegible]	70.4	81.4	85.3	91.2	92.7	94.9	97.9	97.7	98.5
9E 100	67.[illegible]	70.4	81.4	85.3	91.2	92.7	94.9	97.9	97.9	99.5
9E 000	67.[illegible]	70.4	81.4	85.3	91.2	92.7	94.9	97.0	97.9	99.5

TOTAL NUMBER OF OBSERVATIONS 7200

ENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

BASE HEYFORD RAF UK — PERIOD OF RECORD: JUL 78 - JUN 88
MONTH: JUN HOURS: ALL

VISIBILITY IN METERS										
GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
29.1	29.4	29.7	29.8	29.9	29.0	29.0	29.0	29.0	29.0	29.1
35.2	35.7	35.1	35.2	35.3	36.4	35.4	35.4	36.4	36.4	36.5
35.3	35.3	35.2	35.3	35.4	35.5	36.5	35.5	35.6	36.5	36.5
35.3	35.3	35.2	35.3	35.4	36.5	36.5	36.5	36.5	36.6	36.5
35.5	36.1	36.5	36.6	36.7	36.8	36.8	36.8	36.9	36.9	36.9
36.7	37.1	37.5	37.6	37.8	37.9	37.9	37.9	37.9	37.9	38.0
40.9	40.9	41.0	41.1	41.2	41.3	41.3	41.3	41.4	41.4	41.4
41.2	41.5	42.2	42.3	42.4	42.5	42.6	42.6	42.6	42.6	42.7
45.8	46.4	46.3	47.0	47.2	47.3	47.3	47.3	47.3	47.3	47.4
47.3	48.0	48.4	48.5	48.7	48.8	48.3	48.8	48.9	48.9	49.0
49.9	50.3	50.9	50.9	51.1	51.2	51.2	51.2	51.2	51.3	51.3
55.2	55.9	57.4	57.6	57.8	57.9	57.9	57.9	58.0	58.0	58.1
62.2	62.9	63.5	63.7	63.8	64.0	64.0	64.0	64.0	64.0	64.1
68.7	69.5	70.2	70.3	70.5	70.7	70.7	70.7	70.7	70.7	70.8
73.1	73.9	74.5	74.8	75.0	75.1	75.2	75.2	75.2	75.2	75.3
77.6	78.5	79.2	79.4	79.7	79.8	79.8	79.8	79.8	79.8	80.0
79.9	80.5	81.2	81.4	81.7	81.8	81.9	81.9	81.9	81.9	82.0
81.9	82.5	83.5	83.8	84.0	84.2	84.2	84.2	84.3	84.3	84.4
83.2	83.2	84.0	84.2	84.5	84.6	84.7	84.7	84.7	84.7	84.8
84.7	85.8	86.6	86.9	87.1	87.3	87.3	87.3	87.4	87.4	87.5
86.3	87.4	88.2	88.5	88.8	89.0	89.0	89.0	89.0	89.1	89.2
87.9	89.2	90.1	90.4	90.7	90.9	91.0	91.0	91.0	91.0	91.1
88.6	89.8	90.7	91.0	91.4	91.6	91.6	91.6	91.6	91.7	91.8
89.4	90.7	91.5	92.0	92.4	92.6	92.7	92.7	92.7	92.7	92.8
90.7	92.1	93.3	93.7	94.1	94.3	94.4	94.4	94.4	94.4	94.5
91.3	92.9	94.2	94.6	95.0	95.3	95.4	95.4	95.4	95.4	95.5
92.3	94.1	95.9	96.4	96.9	97.2	97.3	97.3	97.4	97.4	97.5
92.6	94.5	96.5	97.0	97.6	97.9	98.2	98.2	98.3	98.3	98.4
92.7	94.7	96.9	97.6	98.3	98.7	98.9	99.0	99.1	99.2	99.3
92.7	94.8	97.0	97.7	98.5	99.0	99.3	99.4	99.5	99.5	99.8
92.7	94.8	97.0	97.8	98.5	99.0	99.3	99.4	99.5	99.7	100.0
92.7	94.8	97.0	97.8	98.5	99.0	99.3	99.4	99.5	99.7	100.0

OPERATING LOCATION WAW
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF C
FROM HOURLY OBSERVATIONS

STATION NUMBER: 36563 STATION NAME: UPPER HEYFORD RAF UK PERIO
LST TO UTC: - 0 MONTH

CEILING IN FEET	VISIBILITY IN METERS 50 110	45 90	36 40	35 60	30 45	25 40	20 32	15 24	10 20	5 15
NO CEIL	37.7	39.0	43.1	44.[illegible]	47.3	48.1	49.6	49.7	49.9	49.[illegible]
GE 20000	45.1	46.3	49.1	46.2	51.3	52.3	54.1	54.3	54.[illegible]	54.[illegible]
GE 18000	45.1	46.3	49.1	48.2	51.3	52.3	54.1	54.3	54.5	54.[illegible]
GE 15000	45.1	46.3	49.1	48.2	51.3	52.3	54.1	54.3	54.5	54.[illegible]
GE 14000	45.1	46.3	49.1	48.2	51.3	52.3	54.1	54.3	54.5	54.[illegible]
GE 12000	45.4	46.5	49.5	48.5	51.7	52.7	54.5	54.7	54.9	54.[illegible]
GE 10000	45.5	46.7	50.3	51.1	54.4	55.4	57.2	57.5	57.7	57.[illegible]
GE 9000	45.8	46.8	49.7	51.9	55.3	56.2	58.1	58.4	58.6	58.[illegible]
GE 8000	46.1	46.9	50.9	53.2	56.9	58.1	61.9	62.3	62.5	62.[illegible]
GE 7000	47.2	47.6	54.1	56.1	60.2	61.3	63.1	63.4	63.7	63.7
GE 6000	48.3	49.7	55.4	57.7	61.5	62.7	64.5	64.[illegible]	65.1	65.1
GE 5000	52.[illegible]	53.4	59.3	63.4	67.5	68.5	70.5	71.[illegible]	71.2	71.[illegible]
GE 4000	57.9	57.9	65.5	69.8	72.5	73.3	75.3	75.1	75.[illegible]	75.[illegible]
GE 3500	61.5	62.3	70.5	73.5	73.4	74.5	76.1	76.2	76.5	[illegible].7
GE 3000	62.3	66.2	71.6	74.5	77.5	81.0	83.0	83.3	83.7	83.[illegible]
GE 2500	63.5	64.2	72.9	76.5	81.5	83.0	85.1	85.4	85.7	85.[illegible]
GE 2000	63.7	64.3	73.1	75.3	81.[illegible]	83.[illegible]	85.3	85.[illegible]	85.[illegible]	8[illegible]
GE 1800	64.[illegible]	65.3	74.3	77.[illegible]	83.1	84.5	85.5	85.9	87.2	7.[illegible]
GE 1500	64.9	65.5	74.5	77.3	83.4	84.[illegible]	85.9	87.2	87.5	87.
GE 1400	65.5	66.2	75.0	79.4	85.2	85.6	[illegible]	89.1	89.5	[illegible]
GE 1200	66.5	67.1	77.2	81.1	86.3	87.7	90.1	90.4	90.[illegible]	91.1
GE 1000	68.[illegible]	69.6	79.9	83.3	88.0	90.4	92.9	93.2	93.5	93.[illegible]
GE 900	69.4	69.8	79.4	83.5	88.5	91.0	93.4	93.[illegible]	94.1	94.5
GE 800	69.9	70.7	80.3	84.7	90.5	91.9	94.4	94.7	95.1	95.4
GE 700	69.9	70.9	80.9	85.5	91.8	93.2	95.5	96.1	96.5	96.[illegible]
GE 600	69.5	71.1	81.1	85.[illegible]	92.0	93.5	96.0	96.3	96.7	97.[illegible]
GE 500	69.[illegible]	70.4	81.7	85.5	93.0	94.7	97.3	97.5	98.3	98.[illegible]
GE 400	69.4	70.5	81.8	86.7	93.1	94.3	97.4	97.7	98.1	98.5
GE 300	69.9	70.5	81.9	86.3	93.3	95.1	97.7	98.1	98.4	98.[illegible]
GE 200	69.9	70.5	81.9	86.3	93.3	95.1	97.7	98.3	98.5	99.1
GE 100	69.9	70.5	81.9	86.3	93.3	95.1	97.7	98.4	98.7	99.[illegible]
GE 000	69.9	70.5	81.9	86.3	93.3	95.1	97.7	98.4	98.7	99.[illegible]

TOTAL NUMBER OF OBSERVATIONS 930

AGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

ALYFORD RAF UK PERIOD OF RECORD: JUL 78 - JUN 88
MONTH: JUL HOURS: 00-02

IBILITY IN METERS	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
.1	49.6	49.7	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9
.3	54.1	54.3	54.5	54.5	54.5	54.5	54.6	54.6	54.6	54.6
.5	54.1	54.3	54.5	54.5	54.5	54.5	54.6	54.6	54.6	54.6
.5	54.1	54.3	54.5	54.5	54.5	54.5	54.6	54.6	54.6	54.6
.5	54.1	54.3	54.5	54.5	54.5	54.5	54.6	54.6	54.6	54.6
.7	54.5	54.7	54.9	54.9	54.9	54.9	55.1	55.1	55.1	55.1
.4	57.2	57.5	57.7	57.7	57.7	57.7	57.8	57.8	57.8	57.8
.2	58.1	58.4	58.6	58.6	58.6	58.6	58.7	58.7	58.7	58.7
.1	61.9	62.3	62.5	62.5	62.5	62.5	62.6	62.6	62.6	62.6
1.3	63.1	63.4	63.7	63.7	63.7	63.7	63.8	63.8	63.8	63.8
.7	64.5	64.8	65.1	65.1	65.1	65.1	65.2	65.2	65.2	65.2
.6	70.6	71.0	71.2	71.2	71.2	71.2	71.3	71.3	71.3	71.3
.4	75.8	76.1	76.5	76.5	76.5	76.6	76.7	76.7	76.7	76.7
.5	81.9	82.2	82.5	82.7	82.7	82.7	82.8	82.8	82.8	82.8
1.	83.0	83.3	83.7	83.9	83.9	83.9	84.0	84.0	84.0	84.0
.5	85.1	85.4	85.7	85.9	85.9	85.9	86.0	86.0	86.0	86.0
.5	85.3	85.6	85.9	86.1	86.1	86.1	86.2	86.2	86.2	86.2
.5	85.6	86.9	87.2	87.5	87.5	87.5	87.6	87.6	87.6	87.6
.	85.9	87.2	87.5	87.8	87.8	87.8	88.0	88.0	88.0	88.0
.4	88.3	89.1	89.5	89.8	89.8	89.8	89.9	89.9	89.9	89.9
7.7	90.1	90.4	90.8	91.1	91.1	91.1	91.2	91.2	91.2	91.2
.4	92.9	93.2	93.5	93.9	93.9	93.9	94.0	94.0	94.0	94.0
.4	93.4	93.8	94.1	94.4	94.4	94.4	94.5	94.5	94.5	94.5
.4	94.4	94.7	95.1	95.4	95.4	95.4	95.5	95.5	95.5	95.5
.9	95.8	96.1	96.5	96.8	96.8	96.8	96.9	96.9	96.9	96.9
.5	96.0	96.3	96.7	97.0	97.0	97.0	97.1	97.1	97.1	97.1
.7	97.3	97.6	98.0	98.3	98.3	98.3	98.4	98.4	98.4	98.4
.5	97.4	97.7	98.1	98.5	98.5	98.5	98.6	98.6	98.6	98.6
.1	97.7	98.1	98.4	98.8	98.8	98.8	99.0	99.0	99.0	99.0
.1	97.7	98.3	98.6	99.1	99.2	99.2	99.5	99.5	99.5	99.5
.1	97.7	98.4	98.7	99.2	99.5	99.5	99.7	99.7	99.9	100.0
.1	97.7	98.4	98.7	99.2	99.5	99.5	99.7	99.7	99.9	100.0

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF
FROM HOURLY OBSERVATIONS

STATION NUMBER: 36553 STATION NAME: UPPER HEYFORD RAF UK
LST TO UTC: - 0

CEILING IN FEET	0	1/2	1	2	3	4	5	6	7	8
	VISIBILITY IN METERS									
	1/2	1	2	3	4	5	6	7	8	9
	1/2	1	2	3	4	5	6	7	8	9
NO CEIL	20.2	22.4	25.5	27.0	30.4	31.5	32.9	35.1	35.9	37.
GE 20000	22.2	22.4	25.1	29.9	33.7	34.8	36.3	39.1	40.1	41.
GE 18000	22.2	22.4	25.1	29.9	33.7	34.8	36.3	39.1	40.1	41.
GE 16000	22.2	22.4	25.1	29.9	33.7	34.8	36.3	39.1	40.1	41.
GE 14000	22.2	22.4	25.1	29.9	33.7	34.8	36.3	39.1	40.1	41.
GE 12000	22.7	22.9	29.7	30.6	34.4	35.6	37.4	40.3	41.3	42.
GE 10000	24.9	24.7	31.3	33.7	37.5	38.5	40.5	43.5	44.7	45.
GE 9000	25.[illegible]	26.[illegible]	32.9	35.3	39.1	40.4	42.4	45.4	46.5	47.
GE 8000	27.5	27.[illegible]	35.2	37.5	41.7	43.0	44.9	48.0	49.1	[illegible]
GE 7000	29.3	29.1	35.9	39.3	43.1	44.4	46.3	49.4	50.5	[illegible]
GE 6000	29.5	29.7	37.[illegible]	39.7	43.3	45.2	47.1	50.1	51.3	52.
GE 5000	33.4	35.5	41.3	44.3	48.4	49.5	51.[illegible]	54.9	55.1	[illegible]
GE 4500	37.3	37.7	45.5	47.7	54.1	55.7	55.1	61.1	62.5	64.
GE 4000	41.3	41.7	51.6	54.5	59.9	61.5	64.3	67.3	68.4	70.
GE 3500	41.9	42.4	52.6	55.9	61.1	62.7	65.2	68.4	69.7	71.
GE 3000	43.3	43.4	53.7	57.5	63.2	64.9	67.4	70.5	71.9	73.
GE 2500	44.2	44.5	55.3	59.2	64.9	66.5	69.1	72.4	73.7	[illegible]
GE 2000	45.9	45.7	57.5	61.3	67.5	69.4	72.0	75.4	76.7	[illegible]
GE 1800	46.7	46.7	57.7	61.9	67.7	69.5	72.2	75.5	76.[illegible]	79.
GE 1500	47.7	47.9	59.5	64.1	70.9	71.9	74.9	78.2	79.5	81.
GE 1200	49.7	49.9	62.5	67.1	73.2	75.1	78.2	81.5	82.[illegible]	84.
GE 1000	50.[illegible]	51.2	64.2	69.5	75.[illegible]	77.5	80.9	84.2	85.5	7.
GE 900	51.1	51.5	64.9	70.2	75.5	78.4	81.5	4.9	86.9	[illegible]
GE 800	51.5	51.[illegible]	65.3	71.1	77.5	79.4	82.6	85.9	87.2	89.
GE 700	51.5	52.2	65.6	71.3	78.7	80.5	83.8	87.1	88.5	90.
GE 600	51.[illegible]	52.4	67.0	72.3	79.1	81.1	84.3	87.5	88.9	91.
GE 500	52.[illegible]	52.5	67.0	73.7	81.1	83.1	85.5	88.9	91.4	93.
GE 400	52.3	52.4	68.3	74.1	81.5	83.7	87.3	91.1	92.5	94.
GE 300	52.3	52.4	68.4	74.2	81.9	84.0	87.7	91.5	93.0	95.
GE 200	52.3	52.5	68.4	74.2	81.9	84.0	87.7	91.5	93.0	95.
GE 100	52.3	52.5	68.4	74.2	81.9	84.0	87.8	91.7	93.3	96.
GE 000	52.3	52.5	68.4	74.2	81.9	84.0	87.8	91.7	93.3	96.

TOTAL NUMBER OF OBSERVATIONS 930

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

[illegible] HEYFORD RAF UK PERIOD OF RECORD: JUL 79 - JUN 84
MONTH: JUL HOURS: 03-05

VISIBILITY IN METERS										
GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
31.5	32.9	35.1	35.0	37.2	37.4	37.6	37.6	37.7	37.7	38.0
34.2	35.3	39.1	40.1	41.4	41.9	42.4	42.4	42.5	42.5	42.8
34.3	35.3	39.1	40.1	41.4	41.9	42.4	42.4	42.5	42.5	42.8
34.3	35.3	39.1	40.1	41.4	41.9	42.4	42.4	42.5	42.5	42.8
34.3	35.3	39.1	40.1	41.4	41.9	42.4	42.4	42.5	42.5	42.8
35.6	37.4	40.3	41.3	42.5	43.1	43.5	43.5	43.7	43.7	44.0
38.3	40.3	43.3	44.7	46.2	46.8	47.2	47.2	47.4	47.5	48.0
40.4	42.4	45.4	45.3	47.5	48.4	48.8	48.8	49.2	49.1	49.6
43.3	44.9	48.3	49.1	50.8	51.3	51.7	51.7	51.8	52.0	52.5
44.4	46.3	49.4	50.5	52.2	52.7	53.1	53.1	53.3	53.4	54.0
45.2	47.1	50.1	51.3	52.9	53.4	53.9	54.0	54.2	54.3	54.8
49.3	51.9	54.9	55.1	58.2	58.6	59.0	59.1	59.4	59.5	60.0
55.7	58.1	61.1	62.3	64.1	64.7	65.2	65.3	65.5	65.6	66.1
61.5	64.3	67.2	68.4	70.2	70.9	71.4	71.5	71.8	71.9	72.5
62.7	65.2	68.4	69.7	71.5	72.2	72.7	72.8	73.1	73.2	73.8
64.2	67.4	70.6	71.9	73.[illegible]	74.5	75.1	75.2	75.5	75.6	76.1
66.5	69.1	72.4	73.7	75.5	76.3	76.9	77.0	77.3	77.4	78.0
69.4	72.0	75.4	75.7	77.6	78.4	79.9	80.0	80.3	80.4	81.0
69.5	72.2	75.5	75.8	78.7	79.5	80.0	80.1	80.4	80.5	81.1
71.9	74.8	78.2	79.5	81.4	82.2	82.7	82.8	83.1	83.2	83.8
75.1	78.2	81.5	82.5	84.8	85.6	86.1	86.2	86.5	86.7	87.2
77.5	80.9	84.2	85.5	87.5	88.3	88.8	88.9	89.2	89.4	89.9
78.4	81.5	84.9	86.2	88.3	89.0	89.6	89.7	90.0	90.1	90.6
79.4	82.6	85.9	87.2	89.2	90.0	90.5	90.6	91.0	91.1	91.6
80.5	83.8	87.1	88.5	90.5	91.3	91.8	91.9	92.3	92.4	92.9
81.1	84.3	87.6	89.0	91.3	92.0	92.6	92.7	93.0	93.1	93.7
83.1	86.5	90.0	91.4	93.7	94.4	94.9	95.2	95.5	95.8	96.3
83.7	87.3	91.1	92.5	94.7	95.5	96.0	96.2	96.7	97.0	97.5
84.0	87.7	91.5	93.0	95.5	96.5	97.0	97.2	97.5	98.0	98.5
84.0	87.7	91.5	93.0	95.7	96.6	97.1	97.4	98.1	98.5	99.0
84.0	87.8	91.7	93.3	96.0	97.0	97.5	97.8	98.7	99.1	100.0
84.0	87.8	91.7	93.3	96.0	97.0	97.5	97.8	98.7	99.1	100.0

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF
FROM HOURLY OBSERVATI

STATION NUMBER: 36553 STATION NAME: UPPER HEYFORD RAF UK
LST TO UTC: - 0

CEILING IN FEET	VISIBILITY IN METERS									
	GE 11[illegible]	GE [illegible]	GE [illegible]	GE [illegible]	GE 4[illegible]	GE 4[illegible]	GE 3[illegible]	GE 2[illegible]	GE 2[illegible]	[illegible]
[illegible] OVCL	19.[illegible]	[illegible]	24.[illegible]	25.[illegible]	29.6	31.0	31.7	33.1	33.[illegible]	[illegible]
GE 20000	23.[illegible]	[illegible]	33.1	33.2	34.4	35.[illegible]	35.[illegible]	33.7	33.2	[illegible]
GE 18000	23.[illegible]	23.7	33.1	33.2	34.4	35.[illegible]	35.[illegible]	33.7	33.2	[illegible]
GE 16000	23.[illegible]	23.7	33.1	33.2	34.4	35.[illegible]	35.[illegible]	33.7	33.2	[illegible]
GE 14000	23.[illegible]	23.7	33.1	33.2	34.4	35.[illegible]	35.[illegible]	33.7	33.2	[illegible]
GE 12000	23.[illegible]	34.2	[illegible]	31.4	35.[illegible]	37.[illegible]	38.[illegible]	39.2	40.4	41
GE 10000	2[illegible].[illegible]	35.7	38.4	39.2	39.5	41.2	42.3	44.2	44.[illegible]	[illegible]
GE 9000	27.[illegible]	[illegible].3	38.1	38.[illegible]	41.2	42.9	44.[illegible]	45.9	46.[illegible]	[illegible]
GE 8000	2[illegible].[illegible]	39.1	37.[illegible]	38.[illegible]	44.3	45.2	47.4	49.5	50.[illegible]	[illegible]
GE 7000	30.[illegible]	30.[illegible]	38.[illegible]	40.[illegible]	45.3	47.2	4[illegible].4	50.4	51.3	[illegible]
GE 6000	31.[illegible]	31.7	38.[illegible]	41.7	45.2	48.2	49.4	51.4	52.[illegible]	[illegible]
GE 5000	3[illegible].[illegible]	[illegible].7	44.4	45.6	51.1	53.2	54.[illegible]	55.2	57.1	[illegible]
GE 4500	3[illegible].[illegible]	37.1	4[illegible].0	49.4	55.2	57.1	5[illegible].3	59.3	61.2	[illegible]
GE 4000	41.[illegible]	41.[illegible]	51.3	53.[illegible]	53.5	55.5	51.[illegible]	53.7	54.7	[illegible]
GE 3500	43.5	44.[illegible]	53.	55.3	51.2	53.3	54.7	57.[illegible]	57.[illegible]	[illegible]
GE 3000	45.3	45.[illegible]	55.7	57.[illegible]	53.1	55.3	56.7	5[illegible].[illegible]	59.[illegible]	7
GE 2500	47.[illegible]	47.7	57.5	59.1	55.2	57.3	5[illegible].7	71.6	71.[illegible]	[illegible]
GE 2000	49.[illegible]	5[illegible].2	59.5	53.1	59.3	70.5	72.3	74.3	75.[illegible]	[illegible]
GE 1800	50.3	51.3	61.4	64.0	69.2	71.5	73.3	75.3	75.1	77
GE 1500	51.7	52.7	63.4	65.5	71.3	74.2	75.3	7[illegible].2	77.1	[illegible]
GE 1200	53.4	54.5	65.5	6[illegible].5	74.2	75.7	7[illegible].4	[illegible]	81.7	[illegible]
GE 1000	54.[illegible]	55.5	66.3	70.0	75.[illegible]	7[illegible].4	[illegible].5	[illegible].3	[illegible].3	[illegible]
GE 900	54.6	55.7	67.3	70.3	75.7	79.5	81.5	84.0	84.[illegible]	[illegible]
GE 800	5[illegible].5	56.7	68.7	72.4	73.7	81.5	[illegible].5	86.1	87.1	[illegible]
GE 700	55.1	57.2	69.5	73.8	83.5	83.7	86.0	88.4	89.4	[illegible]
GE 600	55.3	57.4	69.7	74.1	81.2	84.2	86.7	89.0	91.2	91
GE 500	56.7	57.7	70.6	75.5	83.2	86.3	89.1	91.6	93.6	93
GE 400	56.7	57.7	70.6	75.5	83.7	87.0	89.3	92.4	93.3	94
GE 300	56.7	57.7	70.6	75.5	83.7	87.0	90.0	92.9	94.0	95
GE 200	56.7	57.7	70.6	75.5	83.7	87.0	90.0	93.0	94.2	95
GE 100	56.7	57.7	70.6	75.6	83.7	87.0	90.0	93.0	94.2	95
GE 000	56.7	57.7	70.6	75.5	83.7	87.0	90.0	93.0	94.2	95

TOTAL NUMBER OF OBSERVATIONS 930

FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

FROM RAF UK PERIOD OF RECORD: JUL 78 - JUN 88
MONTH: JUL HOURS: 06-08

ILITY IN METERS	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
	31.7	33.1	33.5	34.0	34.3	34.3	34.5	34.5	34.6	34.8
	35.8	38.7	39.2	39.6	40.2	40.2	40.5	40.5	40.6	40.9
	35.8	38.7	39.2	39.6	40.2	40.2	40.5	40.5	40.6	40.9
	35.8	38.7	39.2	39.6	40.2	40.2	40.5	40.5	40.6	40.9
	35.8	38.7	39.2	39.6	40.2	40.2	40.5	40.5	40.6	40.9
	38.0	39.9	40.4	41.0	41.4	41.4	41.7	41.7	41.8	42.0
	42.3	44.2	44.7	45.7	46.2	46.2	46.7	46.7	46.8	47.0
	44.0	45.9	46.6	47.4	48.0	48.0	48.4	48.4	48.5	48.7
	47.4	49.5	50.3	51.2	51.7	51.7	52.2	52.2	52.3	52.5
	48.4	50.4	51.3	52.2	52.8	52.8	53.2	53.2	53.3	53.5
	49.4	51.4	52.3	53.2	53.9	53.9	54.3	54.3	54.4	54.6
	54.2	55.2	57.1	58.2	59.0	59.0	59.5	59.5	59.6	59.8
	55.3	60.3	61.2	62.3	63.3	63.3	63.8	63.8	63.9	64.1
	61.5	63.9	64.7	65.8	67.1	67.2	67.6	67.6	67.7	68.0
	64.7	67.0	67.8	68.9	70.2	70.3	70.8	70.9	70.9	71.1
	66.7	68.9	69.8	70.9	72.3	72.5	72.9	72.9	73.0	73.2
	69.7	71.6	71.3	72.9	74.3	74.5	74.9	74.9	75.1	75.3
	72.0	74.3	75.2	76.3	77.7	78.0	78.4	78.4	78.5	78.7
	73.0	75.3	76.1	77.3	78.7	78.9	79.4	79.4	79.5	79.7
	75.3	78.2	79.1	80.3	81.7	81.9	82.4	82.4	82.5	82.7
.7	78.4	80.3	81.7	82.9	84.3	84.5	84.9	84.9	85.1	85.3
	83.6	82.9	83.9	85.1	86.5	86.7	87.1	87.1	87.2	87.4
	81.6	84.0	84.9	86.1	87.5	87.7	88.2	88.2	88.3	88.5
	83.8	86.1	87.1	88.3	89.7	89.9	90.3	90.3	90.4	90.6
.7	86.0	88.4	89.4	90.6	92.0	92.4	92.8	92.8	92.9	93.1
	86.7	89.0	90.0	91.3	92.7	93.0	93.4	93.4	93.5	93.9
	89.1	91.6	92.6	93.9	95.3	95.6	96.0	96.0	96.2	96.6
	89.9	92.4	93.3	94.6	96.0	96.5	96.9	97.0	97.2	97.5
	90.8	92.8	94.0	95.4	96.8	97.2	97.6	97.7	98.0	98.3
	90.0	93.0	94.2	95.7	97.1	97.6	98.3	98.5	99.0	99.4
	90.0	93.0	94.2	95.7	97.1	97.6	98.4	99.0	99.6	99.9
	90.0	93.0	94.2	95.7	97.1	97.6	98.4	99.0	99.6	100.0

OPERATING LOCATION: NAM
USARRTAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE O
FROM HOURLY OBSERVATI

STATION NUMBER: 36553 STATION NAME: UPPER HEYFORD RAF UK
LST TO UTC: - 0

CEILING IN FEET	SM 112	SM 80	SM 50	SM 40	SM 48	SM 40	SM 32	SM 24	SM 20	[illegible]
	VISIBILITY IN METERS									
NO CEIL	19.4	19.5	23.5	25.2	26.5	27.1	27.1	27.1	27.1	[illegible]
GE 20000	25.4	25.5	29.2	31.7	33.3	34.1	34.2	34.2	34.2	[illegible]
GE 17000	25.4	25.5	29.9	31.7	33.3	34.1	34.2	34.2	34.2	[illegible]
GE 15000	25.4	25.5	29.9	31.7	33.3	34.1	34.2	34.2	34.2	[illegible]
GE 14000	25.5	25.6	30.3	31.6	33.4	34.2	34.3	34.3	34.3	[illegible]
GE 12000	26.1	26.2	31.6	32.7	34.5	35.3	35.4	35.4	35.4	[illegible]
GE 10000	29.7	33.5	35.5	37.4	39.2	40.1	40.2	40.3	40.3	[illegible]
GE 9000	33.	33.9	36.7	38.5	40.4	41.3	41.4	41.4	41.5	[illegible]
GE 8000	34.4	34.5	40.9	42.7	44.7	45.6	45.7	45.7	45.9	[illegible]
GE 7000	35.5	35.6	41.9	44.0	45.3	45.7	45.3	47.1	47.1	[illegible]
GE 6000	35.9	36.1	42.6	44.6	45.5	47.4	47.5	47.5	47.5	[illegible]
GE 5000	40.0	41.0	47.5	49.7	51.4	52.5	52.5	[illegible]	[illegible]	[illegible]
GE 4500	40.6	41.3	53.7	54.7	55.1	57.2	57.2	[illegible]	[illegible]	[illegible]
GE 4000	40.5	41.3	53.2	60.4	62.8	63.4	63.5	64.2	64.2	[illegible]
GE 3500	54.4	61.7	66.2	68.6	71.1	71.9	72.4	72.4	72.5	7[illegible]
GE 3000	62.7	63.4	72.7	75.7	76.2	77.1	77.5	77.1	77.1	7[illegible]
GE 2500	65.5	66.3	74.3	76.5	78.2	80.1	81.5	81.1	81.1	[illegible]
GE 2000	69.1	69.9	77.6	80.4	83.1	84.0	84.5	84.9	84.9	[illegible]
GE 1800	71.3	71.8	79.7	82.5	85.2	86.0	86.5	87.0	87.1	[illegible]
GE 1500	72.6	73.4	82.3	84.8	87.5	88.5	89.2	89.5	89.5	[illegible]
GE 1200	74.8	75.7	84.9	87.7	90.3	91.7	92.3	92.7	92.7	[illegible]
GE 1000	75.5	76.3	85.3	89.1	91.9	92.7	93.5	94.0	94.1	[illegible]
GE 900	76.2	77.0	86.5	89.7	92.5	93.5	94.4	94.9	95.1	[illegible]
GE 800	76.2	77.4	87.1	90.4	93.7	94.5	95.4	95.8	95.9	[illegible]
GE 700	76.3	77.4	87.2	90.8	94.5	95.7	96.5	96.9	96.9	[illegible]
GE 600	76.3	77.4	87.3	90.9	94.5	95.8	96.9	97.3	97.3	[illegible]
GE 500	76.5	77.5	87.8	91.5	95.4	96.5	97.7	98.4	98.4	[illegible]
GE 400	76.5	77.5	87.8	91.5	95.4	96.5	97.7	98.5	98.5	[illegible]
GE 300	76.5	77.5	87.8	91.5	95.4	96.5	97.7	98.5	98.5	[illegible]
GE 200	76.5	77.5	87.8	91.5	95.4	96.5	97.7	98.5	98.5	[illegible]
GE 100	76.5	77.5	87.8	91.5	95.4	96.5	97.7	98.5	98.5	[illegible]
GE 000	76.5	77.5	87.8	91.5	95.4	96.5	97.7	98.5	98.5	[illegible]

TOTAL NUMBER OF OBSERVATIONS 936

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

[illegible] REYFORD RAF UK PERIOD OF RECORD: JUL 76 - JUN 86
MONTH: JUL HOURS: 09-11

VISIBILITY IN METERS	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
	27.1	27.1	27.1	27.1	27.1	27.1	27.1	27.1	27.1	27.1	27.1
	34.1	34.2	34.2	34.2	34.2	34.2	34.2	34.2	34.2	34.2	34.2
	34.1	34.2	34.2	34.2	34.2	34.2	34.2	34.2	34.2	34.2	34.2
	34.1	34.2	34.2	34.2	34.2	34.2	34.2	34.2	34.2	34.2	34.2
	34.2	34.3	34.3	34.3	34.3	34.3	34.3	34.3	34.3	34.3	34.3
	35.3	35.4	35.4	35.4	35.4	35.4	35.4	35.4	35.4	35.4	35.4
	40.1	40.2	40.3	40.3	40.3	40.4	40.5	40.5	40.5	40.5	40.5
	41.3	41.4	41.6	41.5	41.5	41.7	41.5	41.5	41.3	41.3	41.3
	45.5	45.7	45.9	45.9	45.9	46.0	46.1	46.1	46.1	46.1	46.1
	46.7	46.8	47.1	47.1	47.1	47.2	47.3	47.3	47.3	47.3	47.3
	47.4	47.5	47.8	47.8	47.8	48.0	48.1	48.1	48.1	48.1	48.1
	52.5	52.5	52.9	52.9	52.9	53.0	53.1	53.1	53.1	53.1	53.1
	57.5	57.5	58.2	58.2	58.2	58.3	58.4	58.4	58.4	58.4	58.4
	63.4	63.5	64.2	64.2	64.2	64.4	64.5	64.6	64.6	64.6	64.6
	71.9	72.4	72.8	72.8	72.8	73.0	73.2	73.2	73.2	73.2	73.2
	77.1	77.6	78.1	78.1	78.1	78.3	78.5	78.5	78.5	78.5	78.5
	80.1	80.6	81.1	81.1	81.1	81.3	81.5	81.5	81.5	81.5	81.5
	84.3	84.5	84.9	84.9	84.9	85.2	85.4	85.4	85.4	85.4	85.4
	86.9	86.6	87.0	87.0	87.0	87.2	87.4	87.4	87.4	87.4	87.4
	88.5	89.0	89.5	89.5	89.5	89.7	89.9	89.9	89.9	89.9	89.9
	91.7	92.3	92.7	92.7	92.7	92.9	93.1	93.1	93.1	93.1	93.1
	92.9	93.5	94.0	94.0	94.0	94.2	94.4	94.4	94.4	94.4	94.4
	93.8	94.4	94.8	94.8	94.8	95.1	95.3	95.3	95.3	95.3	95.3
	94.5	95.4	95.8	95.8	95.8	96.0	96.2	96.2	96.2	96.2	96.2
	95.7	96.5	96.9	96.9	97.0	97.2	97.4	97.4	97.4	97.4	97.4
	96.8	96.8	97.3	97.3	97.5	97.7	98.0	98.0	98.0	98.0	98.0
	96.5	97.7	98.4	98.4	98.6	98.8	99.0	99.1	99.1	99.1	99.1
	96.5	97.7	98.5	98.5	98.7	98.9	99.1	99.4	99.4	99.4	99.4
	96.4	97.7	98.5	98.5	98.8	99.2	99.5	99.7	99.7	99.7	99.7
	96.5	97.7	98.5	98.5	98.8	99.2	99.5	99.9	99.9	100.0	100.0
	96.5	97.7	98.5	98.5	98.8	99.2	99.5	99.9	99.9	100.0	100.0
	96.5	97.7	98.5	98.5	98.8	99.2	99.5	99.9	99.9	100.0	100.0

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVAT

STATION NUMBER: 3[illegible] STATION NAME: UPPER HAYFORD [illegible]
LST TO UTC: - 0

CEILING IN FEET	VISIBILITY IN METERS								
	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	112	[illegible]	80	60	45	40	32	24	20
NO CEIL	17.7	1[illegible].1	21.4	21.9	22.4	22.6	22.7	22.7	22.7
3[illegible] 20000	24.[illegible]	2[illegible].6	30.2	31.1	31.6	32.2	32.3	32.3	32.3
6[illegible] 15000	24.3	2[illegible].6	30.2	31.1	31.6	32.2	32.3	32.3	32.3
5[illegible] 15000	24.3	2[illegible].6	30.2	31.1	31.6	32.2	32.3	32.3	32.3
5[illegible] 14000	25.5	2[illegible].3	30.6	31.6	32.2	32.7	32.[illegible]	32.[illegible]	32.[illegible]
3[illegible] 12000	25.0	2[illegible].7	31.7	32.5	33.2	33.8	33.9	33.9	33.9
3[illegible] 10000	2[illegible].[illegible]	3[illegible].4	35.4	36.3	37.0	37.5	37.[illegible]	37.7	37.7
3[illegible] 9000	3[illegible].4	3[illegible].3	35.9	37.3	37.6	38.2	38.3	38.4	38.4
3[illegible] 8000	3[illegible].[illegible]	3[illegible].2	39.7	40.8	41.5	42.0	42.2	42.3	42.3
3[illegible] 7000	33.0	3[illegible].7	40.1	41.2	41.9	42.5	42.6	42.7	42.7
3[illegible] 6000	33.3	3[illegible].[illegible]	40.4	41.5	42.3	42.8	42.9	43.0	43.0
2[illegible] 5000	4[illegible].2	4[illegible].3	47.5	48.7	49.7	50.2	50.3	50.4	50.4
2[illegible] 4500	4[illegible].7	4[illegible].7	54.2	55.3	57.1	57.5	57.7	57.[illegible]	57.[illegible]
2[illegible] 4000	5[illegible].3	5[illegible].[illegible]	57.1	5[illegible].3	70.2	70.[illegible]	71.[illegible]	71.0	71.0
2[illegible] 3500	57.4	[illegible].3	75.[illegible]	77.8	79.1	79.7	79.9	79.9	79.9
1[illegible] 3000	74.2	7[illegible].[illegible]	[illegible].1	[illegible].1	85.3	87.4	87.7	87.[illegible]	87.[illegible]
1[illegible] 2500	7[illegible].3	7[illegible].3	[illegible].1	[illegible].1	89.[illegible]	90.4	90.[illegible]	91.1	91.1
1[illegible] 2000	7[illegible].3	[illegible].3	[illegible].9	87.9	92.7	93.3	93.7	94.0	94.[illegible]
1[illegible] 1800	80.8	81.4	89.9	91.9	93.8	94.4	94.7	[illegible].1	95.1
1[illegible] 1500	81.3	[illegible]	91.5	93.5	95.5	96.1	96.5	96.[illegible]	96.[illegible]
1[illegible] 1200	81.6	82.7	93.3	94.[illegible]	96.7	97.3	97.[illegible]	[illegible].0	98.[illegible]
1[illegible] 1000	81.7	82.[illegible]	93.6	94.9	97.2	97.6	98.2	98.5	98.5
[illegible] 800	81.8	82.3	92.6	95.1	97.4	98.1	98.4	98.7	98.7
[illegible] 600	81.[illegible]	[illegible]	92.8	95.3	97.6	98.3	98.6	98.9	[illegible]
[illegible] 500	81.[illegible]	82.4	92.[illegible]	95.3	97.6	98.3	98.6	99.0	99.0
[illegible] 400	81.[illegible]	82.4	92.[illegible]	95.3	97.6	98.3	98.6	99.1	99.1
[illegible] 300	81.[illegible]	82.[illegible]	92.9	95.4	97.7	98.5	99.0	99.7	99.7
[illegible] 200	81.[illegible]	82.3	92.9	95.4	97.7	98.5	99.0	99.7	99.7
5[illegible] 100	81.3	82.9	92.9	95.4	97.7	98.5	99.0	99.7	99.7
[illegible] 000	81.[illegible]	82.[illegible]	92.9	95.4	97.7	98.5	99.0	99.7	99.7

TOTAL NUMBER OF OBSERVATIONS 93[illegible]

NTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

R HEYFORD RAF UK   PERIOD OF RECORD: JUL 78 - JUN 86
MONTH: JUL   HOURS: 12-14

VISIBILITY IN METERS

GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 05	GE 04	GE 00
22.6	22.7	22.7	22.7	22.7	22.7	22.7	22.7	22.7	22.7	22.7
32.2	32.3	32.3	32.3	32.3	32.3	32.3	32.3	32.3	32.3	32.3
32.2	32.3	32.3	32.3	32.3	32.3	32.3	32.3	32.3	32.3	32.3
32.2	32.3	32.3	32.3	32.3	32.3	32.3	32.3	32.3	32.3	32.3
32.7	32.8	32.8	32.8	32.8	32.8	32.8	32.8	32.8	32.8	32.8
33.8	33.9	33.9	33.9	33.9	33.9	33.9	33.9	33.9	33.9	33.9
37.5	37.6	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7
38.2	38.3	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4
42.0	42.2	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3
42.5	42.6	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7
42.8	42.9	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0
50.2	50.3	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4
57.5	57.7	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8
70.8	70.9	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
79.7	79.9	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
87.4	87.7	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8
90.4	90.8	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1
93.3	93.7	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
94.4	94.7	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1
96.1	96.5	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
97.3	97.6	98.0	98.0	98.1	98.1	98.1	98.1	98.1	98.1	98.1
97.9	98.2	98.5	98.5	98.6	98.6	98.6	98.6	98.6	98.6	98.6
98.1	98.4	98.7	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8
98.3	98.6	98.9	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0
98.3	98.6	99.0	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1
98.3	98.6	99.1	99.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4
98.5	99.0	99.7	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9
98.5	99.0	99.7	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0
98.5	99.0	99.7	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0
98.5	99.0	99.7	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0
98.5	99.0	99.7	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0
98.5	99.0	99.7	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0

OPERATING LOCATION: NAW
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF
FROM HOURLY OBSERVATI

STATION NUMBER: 36553 STATION NAME: UPPER HEYFORD RAF UK
LST TO UTC: - 0

CEILING IN FEET	VISIBILITY IN METERS									
	9E 11?	3E 4?	6E 49	8E 60	3E 4?	6E 49	3E 32	3E 24	5E 31	
NO CEIL	23.?	23.3	24.5	24.9	25.4	25.9	26.3	26.3	26.6	2
3E 20000	31.?	31.4	34.4	35.2	36.3	36.1	36.2	36.2	36.2	3
9E 15000	31.?	31.4	34.4	35.2	36.3	36.1	36.2	36.2	36.2	3
7E 14000	31.?	31.4	34.4	35.2	36.9	36.1	36.2	36.2	36.2	3
5E 14000	31.5	31.[illegible]	34.[illegible]	35.5	36.3	36.6	36.7	36.7	36.7	3
3E 12000	32.3	32.4	35.7	36.6	37.5	37.6	37.7	37.7	37.7	3
9E 10000	37.1	37.3	41.3	41.3	42.6	42.7	43.3	43.3	43.3	4
7E 9000	3[illegible].2	38.1	43.3	44.3	44.7	45.1	45.2	45.2	45.2	4
5E 8000	40.?	43.4	47.2	48.5	49.3	49.5	49.7	49.7	49.7	4
3E 7000	45.2	45.4	49.5	49.5	50.5	51.6	52.2	52.3	52.3	5
9E 6000	49.2	49.3	51.1	52.5	53.6	53.7	54.3	54.3	54.3	5
7E 5000	54.5	54.1	54.3	61.7	62.3	63.7	63.1	63.1	63.1	6
5E 4000	61.5	62.[illegible]	67.4	69.3	73.2	76.3	73.4	73.4	73.4	7
3E 3000	72.5	72.1	74.4	81.1	82.5	82.9	83.3	83.3	83.4	8
9E 2500	77.5	77.4	84.[illegible]	85.7	88.2	88.5	88.5	88.5	88.5	8
7E 2000	83.3	83.4	88.3	89.3	91.4	92.2	92.3	92.4	92.4	9
5E 1500	85.3	86.[illegible]	93.4	92.4	94.3	94.3	94.4	94.5	94.5	9
3E 1200	86.[illegible]	86.3	91.3	93.1	94.[illegible]	95.3	95.5	95.5	95.5	9
9E 1000	86.7	86.4	91.3	93.2	94.9	95.3	95.4	95.5	95.5	9
6E 1500	94.7	94.3	92.5	94.5	96.3	96.7	96.9	97.1	97.1	9
5E 1200	95.1	95.3	95.1	95.1	97.3	97.4	97.5	97.5	97.5	9
3E 1000	96.1	96.5	93.3	95.4	97.4	97.5	98.1	98.4	98.4	9
9E 900	96.2	96.3	93.3	95.5	97.7	98.3	98.5	98.5	98.5	9
7E 800	96.3	96.4	93.3	95.5	97.[illegible]	98.4	98.7	99.1	99.1	9
5E 700	96.2	96.3	93.3	95.7	98.1	98.7	99.1	99.[illegible]	99.[illegible]	9
3E 600	96.2	96.3	93.3	95.7	98.1	98.7	99.1	99.[illegible]	99.[illegible]	9
9E 500	96.3	96.4	93.3	95.7	98.1	98.7	99.2	99.4	99.4	9
7E 400	96.3	96.4	93.3	95.7	98.1	98.7	99.2	100.0	100.0	1
5E 300	96.3	96.4	93.3	95.7	98.1	98.7	99.2	100.0	100.0	1
3E 200	96.3	96.4	93.3	95.7	98.1	98.7	99.2	100.0	100.0	1
9E 100	96.3	96.4	93.3	95.7	98.1	98.7	99.2	100.0	100.0	1
7E 000	96.3	96.4	93.3	95.7	98.1	98.7	99.2	100.0	100.0	1

TOTAL NUMBER OF OBSERVATIONS 93

[illegible] FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

[illegible] AFB [illegible] PERIOD OF RECORD: JUL 74 - JUN [illegible]
MONTH: JUL HOURS: 15-17

VISIBILITY IN METERS										
[illegible]	[illegible]	36	[illegible]	60	50	60	90	80	60	60
[illegible]	32	24	[illegible]	15	12	10	07	06	04	00
[illegible]	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0
[illegible]	[illegible]	36.2	36.2	36.2	36.2	36.2	36.2	36.2	36.2	36.2
[illegible]	[illegible]	36.2	36.2	36.2	36.2	36.2	36.2	36.2	36.2	36.2
[illegible]	[illegible]	36.2	36.2	36.2	36.2	36.2	36.2	36.2	36.2	36.2
[illegible]	[illegible]	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7
[illegible]	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7
[illegible]	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0
[illegible]	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2
[illegible]	[illegible]	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	50.3
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	53.8
[illegible]	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1
[illegible]	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	83.0
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	86.6
[illegible]	[illegible]	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4
[illegible]	[illegible]	[illegible]	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	95.5
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	96.6
[illegible]	[illegible]	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
[illegible]	97.[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	98.8
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	99.4
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	99.3
[illegible]	[illegible]	[illegible]	[illegible]	99.1	99.1	99.1	99.1	99.1	99.1	99.1
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	99.8
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	99.8
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	99.9
[illegible]	[illegible]	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
[illegible]	[illegible]	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
[illegible]	[illegible]	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
[illegible]	[illegible]	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
[illegible]	[illegible]	[illegible]	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF C
FROM HOURLY OBSERVATIONS

STATION NUMBER: [illegible]   STATION NAME: UPPER HEYFORD RAF UK
LST TO UTC: - 0

CEILING IN FEET	VISIBILITY IN METERS									
	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible] 40	[illegible] 32	[illegible]	[illegible]	[illegible]
NO CEIL	[illegible]	31.	34.5	35.[illegible]	35.2	36.7	36.7	36.7	36.7	[illegible]
GE 20000	41.1	41.[illegible]	[illegible]	46.[illegible]	43.[illegible]	[illegible]	43.7	[illegible]	[illegible]	[illegible]
GE 18000	41.[illegible]	41.7	[illegible]	47.0	4[illegible].2	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
GE 16000	41.[illegible]	41.7	[illegible]	47.0	4[illegible].2	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
GE 14000	41.[illegible]	[illegible]	4[illegible].9	47.1	4[illegible].3	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
GE 12000	[illegible]	[illegible]	47.1	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
GE 10000	[illegible]	[illegible]	51.0	[illegible].4	[illegible]	[illegible].7	[illegible]	[illegible]	[illegible]	[illegible]
GE 9000	[illegible]	[illegible]	[illegible].2	[illegible].7	[illegible].4	[illegible]	[illegible].1	[illegible].1	[illegible].1	[illegible].1
GE 8000	[illegible]	[illegible]	[illegible]	51.3	53.1	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
GE 7000	[illegible].7	[illegible]	[illegible]	[illegible].7	[illegible].7	[illegible].4	[illegible]	[illegible]	[illegible]	[illegible]
GE 6000	[illegible].1	[illegible]	[illegible]	[illegible]	57.3	[illegible]	[illegible].2	[illegible]	[illegible]	[illegible]
GE 5000	[illegible]	[illegible]	7[illegible]	7[illegible]	7[illegible].3	7[illegible]	7[illegible]	7[illegible]	7[illegible]	[illegible]
GE 4500	[illegible]	[illegible]	[illegible].1	7[illegible].1	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]1.[illegible]	1.
GE 4000	76.[illegible]	7[illegible].1	[illegible]	[illegible]	[illegible].7	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
GE 3500	7[illegible]	[illegible]	[illegible].2	[illegible].7	[illegible]	[illegible]	[illegible]1.1	[illegible]1.1	[illegible]1.1	[illegible]1.1
GE 3000	7[illegible]	[illegible]	[illegible]7.[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
GE 2500	7[illegible]	[illegible]	[illegible]	[illegible]	[illegible]3.[illegible]	[illegible]4.[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
GE 2000	[illegible].1	1.[illegible]	[illegible]	[illegible]1.[illegible]	[illegible].7	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
GE 1800	[illegible]	1.[illegible]	[illegible]	[illegible]	[illegible].3	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
GE 1500	[illegible]1.1	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]7.[illegible]	[illegible]7.[illegible]	[illegible]7.[illegible]	[illegible]7.[illegible]
GE 1200	[illegible]1.[illegible]	[illegible].7	[illegible]1.[illegible]	[illegible].2	[illegible].3	[illegible]7.[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
GE 1000	[illegible]1.	[illegible]	[illegible]1.[illegible]	[illegible]3.7	[illegible]7.4	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
GE 900	[illegible]1.[illegible]	[illegible]	[illegible]1.4	[illegible]3.	[illegible]7.[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
GE 800	[illegible]1.	[illegible]	[illegible]1.[illegible]	[illegible]3.[illegible]	[illegible]7.	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
GE 700	[illegible]1.	[illegible]	[illegible]1.[illegible]	[illegible]	[illegible]7.[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
GE 600	[illegible]	[illegible].1	[illegible]1.[illegible]	[illegible]4.[illegible]	[illegible].1	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
GE 500	[illegible]	[illegible].1	[illegible]1.[illegible]	[illegible]	[illegible]3.1	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
GE 400	[illegible]	[illegible].1	[illegible]1.[illegible]	[illegible]4.[illegible]	[illegible]3.1	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
GE 300	[illegible]	[illegible].1	[illegible]1.[illegible]	[illegible]	[illegible]3.1	[illegible]	[illegible]	[illegible]	1[illegible]	1[illegible]
GE 200	[illegible]	[illegible].1	[illegible]1.[illegible]	[illegible]	[illegible].1	[illegible]	[illegible]	[illegible]	1[illegible]	1[illegible]
GE 100	[illegible]	[illegible].1	[illegible]1.[illegible]	[illegible]4.[illegible]	[illegible].1	[illegible]	[illegible]	[illegible]	1[illegible]	1[illegible]
GE 0	[illegible]	[illegible].1	[illegible]	[illegible]	[illegible].1	[illegible]	[illegible]	[illegible]	1[illegible]	1[illegible]

TOTAL NUMBER OF OBSERVATIONS: [illegible]

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

[illegible] HOYFORD RAF UK PERIOD OF RECORD: JUL 7[illegible] - JUN 8[illegible]
MONTH: JUL HOURS: 13-20

	VISIBILITY IN METERS										
	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
[illegible]	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7
[illegible]	48.5	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7
[illegible]	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9
[illegible]	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9
[illegible]	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0
[illegible]	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6
[illegible]	55.7	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8
[illegible]	59.0	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1
[illegible]	63.8	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9
[illegible]	65.4	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5
[illegible]	68.1	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2
[illegible]	74.9	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2
[illegible]	80.9	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2
[illegible]	87.4	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0
[illegible]	90.8	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1
[illegible]	92.9	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4
[illegible]	94.3	94.[illegible]	94.[illegible]	94.[illegible]	94.[illegible]	94.[illegible]	94.[illegible]	94.[illegible]	94.[illegible]	94.[illegible]	94.[illegible]
[illegible]	95.[illegible]	95.[illegible]	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9
[illegible]	96.[illegible]	96.[illegible]	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6
[illegible]	96.9	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
[illegible]	97.[illegible]	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
[illegible]	98.[illegible]	98.[illegible]	98.[illegible]	98.[illegible]	98.[illegible]	98.[illegible]	98.[illegible]	98.[illegible]	98.[illegible]	98.[illegible]	98.[illegible]
[illegible]	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
[illegible]	99.[illegible]	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
[illegible]	99.[illegible]	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
[illegible]	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
[illegible]	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
[illegible]	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
[illegible]	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
[illegible]	99.9	99.[illegible]	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
[illegible]	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
[illegible]	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CE
FROM HOURLY OBSERVATIONS

STATION NUMBER: 3[illegible]3 STATION NAME: UPPER HEYFORD [illegible]
LST TO UTC: - 0

CEILING IN FEET	VISIBILITY IN METERS									
	1[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	112	[illegible]	80	63	49	40	32	24	[illegible]	16
[illegible] CEIL	[illegible]	[illegible]	43.9	44.1	45.5	45.9	46.2	47.[illegible]	47.3	47.[illegible]
[illegible] 20000	[illegible]	[illegible]	49.1	49.5	51.3	51.7	[illegible]	[illegible]	52.[illegible]	53.[illegible]
[illegible] 15000	[illegible]	[illegible]	49.4	49.[illegible]	51.5	51.[illegible]	54.3	54.1	54.1	54.1
[illegible] 15000	[illegible]	[illegible]	49.4	49.[illegible]	51.5	51.[illegible]	54.2	54.1	54.1	54.1
[illegible] 14000	[illegible]	[illegible]	49.5	49.9	51.5	52.0	54.1	54.2	54.[illegible]	54.[illegible]
[illegible] 12000	[illegible]	[illegible]	[illegible]	[illegible]	52.4	52.[illegible]	54.5	54.[illegible]	54.9	54.[illegible]
[illegible] 10000	[illegible]	47.1	[illegible]	53.[illegible]	55.4	55.1	[illegible]	[illegible]	[illegible]	[illegible]
[illegible] 9000	[illegible]	[illegible]	[illegible]	55.2	57.2	[illegible]	[illegible]	59.1	[illegible]	[illegible]
[illegible] 8000	61.[illegible]	[illegible]	[illegible]	[illegible]	61.9	62.7	64.7	[illegible]	64.[illegible]	[illegible]
[illegible] 7000	[illegible]	[illegible]	[illegible]	61.1	63.1	63.9	65.9	[illegible]	[illegible]	[illegible]
[illegible] 6000	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	67.7	67.[illegible]	67.[illegible]	67.[illegible]
[illegible] 5000	[illegible]	[illegible]	[illegible]	[illegible]	71.1	71.[illegible]	74.[illegible]	74.1	74.1	74.1
[illegible] 4000	[illegible]	[illegible]	74.[illegible]	75.4	73.[illegible]	79.1	81.[illegible]	81.4	1.4	1.4
[illegible] 3000	[illegible]	[illegible]	79.4	79.2	[illegible]	[illegible]	87.1	87.2	87.3	7.[illegible]
[illegible] 2500	71.4	[illegible]	[illegible]	[illegible]	[illegible]	87.7	[illegible]	[illegible]	[illegible]	[illegible]
[illegible] 2000	[illegible]	[illegible]	[illegible]	84.7	[illegible]	[illegible]	[illegible]	[illegible]	91.7	[illegible]
[illegible] 1800	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	92.	[illegible]	[illegible]	[illegible]
[illegible] 1500	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible] 1200	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible] 1000	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible] 900	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible] 800	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible] 700	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible] 600	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible] 500	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible] 400	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible] 300	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible] 200	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible] 100	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

TOTAL NUMBER OF OBSERVATIONS [illegible]

[illegible] - 2 - [illegible]

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

WEST HEYFORD RAF UK PERIOD OF RECORD: JUL 73 - JUN 88
MONTH: JUL HOURS: 21-23

VISIBILITY IN METERS										
GE 45	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
45.0	45.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0
51.7	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9
51.9	54.0	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1
51.9	54.0	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1
52.0	54.1	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2
52.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9
55.1	58.2	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3
55.0	60.3	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1
52.7	64.7	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8
53.0	65.9	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0
55.7	67.7	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8
71.4	74.0	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1
79.1	81.2	81.3	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4
54.9	57.1	57.2	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3
87.7	89.9	90.0	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1
89.4	91.6	91.6	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
89.9	92.0	92.3	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4
91.7	93.9	94.1	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
91.7	93.9	94.1	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
92.7	94.9	95.1	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2
93.3	95.5	95.7	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
94.7	96.9	97.2	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
94.9	97.1	97.3	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
95.1	97.3	97.6	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
95.6	97.8	98.2	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
95.9	98.2	98.5	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
96.2	98.5	98.8	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
96.5	98.8	99.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
96.8	99.1	99.5	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
96.8	99.1	99.5	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
96.8	99.1	99.5	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0
96.8	99.1	99.6	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0

OPERATING LOCATION "A"
USAFTAC, ASHEVILLE, NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF
FROM HOURLY OBSERVATI

STATION NUMBER: 36683 STATION NAME: JOPPE HELFRICH AAF, OK
LST TO UTC: - 0

CEILING IN FEET	10	9	8	7	6	5	4	3	2	1
	VISIBILITY IN METERS									
	11	10	9	8	7	6	5	4	3	2
CEILING	33.0	33.0	33.2	31.2	33.0	33.6	34.2	34.7	34.9	35
37 20000	31.6	31.7	35.5	37.5	39.3	40.7	41.5	42.2	42.4	42.
35 15000	31.6	31.	36.6	37.9	40.0	40.5	41.5	42.2	42.4	42.
35 10000	31.	31.	36.6	37.9	40.0	40.5	41.5	42.2	42.4	42.
35 14000	31.5	32.5	36.5	37.9	40.2	40.9	41.5	42.4	42.5	42.
35 12000	32.2	32.4	37.1	38.3	41.2	41.9	42.8	43.4	42.7	43.
35 10000	35.5	35.7	41.3	42.5	45.1	45.5	46.0	47.6	47.	47.
35 8000	36.7	37.1	42.9	44.4	46.9	47.5	48.5	49.1	49.5	49.
35 6000	39.7	40.2	46.6	48.2	50.7	51.5	52.5	53.3	53.5	1.
35 7000	42.7	41.5	47.5	49.3	51.4	52.7	53.7	54.4	54.7	55.
35 5000	43.5	45.4	49.2	50.7	53.3	54.2	55.1	56.0	56.1	56.
35 4000	47.5	48.	51.1	52.5	55.5	56.5	57.5	58.0	57.5	58.
35 4000	50.1	50.2	53.5	54.7	57.5	58.5	59.5	60.1	59.5	59.
35 3000	52.7	53.4	57.4	59.7	72.1	73.7	75.	75.5	75.1	75.
35 2500	55.4	56.3	71.5	73.5	77.1	78.2	79.5	79.1	79.7	.
35 2000	56.1	56.9	74.4	75.9	79.4	81.5	82.7	83.5	83.9	84.
35 1500	56.7	57.4	75.0	76.5	79.1	82.3	84.5	85.3	85.7	86.
35 1200	56.9	58.2	75.1	76.7	80.7	84.4	85.5	86.7	87.5	88.
35 1000	57.4	58.2	75.7	81.4	85.1	85.2	87.4	88.3	89.5	90.
35 800	69.9	70.7	80.1	83.5	84.7	87.9	89.2	90.5	90.1	91.
35 600	71.9	71.9	81.5	84.5	85.4	88.6	91.5	91.9	92.9	93.
35 1300	71.7	72.5	82.5	85.5	89.2	91.9	92.5	93.4	93.5	94.
35 900	71.9	72.	82.9	85.1	89.2	91.5	93.5	94.5	94.9	94.
35 700	72.2	73.1	83.4	85.9	90.9	92.3	93.5	94.7	95.1	95.
35 700	72.3	73.2	83.7	87.1	91.7	92.1	94.7	95.5	95.5	95.
35 500	72.4	73.4	83.7	87.3	91.9	93.3	94.9	95.5	95.4	95.
35 400	72.5	73.5	84.3	87.	92.5	94.2	95.9	97.0	97.4	97.
35 400	72.5	73.5	84.4	87.9	92.9	94.4	95.2	97.3	97.7	98.
35 300	72.5	73.5	84.4	87.9	92.9	94.4	95.3	97.5	97.9	98.
35 200	72.5	73.5	84.4	87.9	92.9	94.4	95.3	97.5	98.1	98.
35 100	72.5	73.5	84.4	87.9	92.9	94.4	95.3	97.4	98.2	98.
35 0	72.5	73.5	84.4	87.9	92.9	94.4	95.3	97.4	98.2	98.

TOTAL NUMBER OF OBSERVATIONS 7445

PERCENT FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

HAYFORD RAF UK PERIOD OF RECORD: JUL 78 - JUN 88
MONTH: JUL HOURS: ALL

VISIBILITY IN METERS										
[illegible]	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
[illegible]	34.2	34.7	34.9	35.1	35.1	35.2	35.2	35.2	35.2	35.3
[illegible]	41.5	42.2	42.4	42.6	42.7	42.8	42.8	42.9	42.9	42.9
[illegible]	41.5	42.2	42.4	42.7	42.8	42.8	42.9	42.9	42.9	43.0
[illegible]	41.5	42.2	42.4	42.7	42.8	42.8	42.9	42.9	42.9	43.0
[illegible]	41.9	42.4	42.6	42.8	43.0	43.0	43.1	43.1	43.1	43.2
[illegible]	42.8	43.4	43.7	43.9	44.0	44.1	44.1	44.1	44.1	44.2
[illegible]	46.8	47.6	47.8	48.1	48.3	48.3	48.4	48.4	48.4	48.5
[illegible]	48.5	49.3	49.5	49.8	49.9	50.0	50.1	50.1	50.1	50.2
[illegible]	52.5	53.3	53.6	53.9	54.0	54.1	54.2	54.2	54.2	54.3
[illegible]	53.7	54.4	54.7	55.0	55.2	55.2	55.3	55.3	55.3	55.4
[illegible]	55.1	55.9	56.2	56.5	56.5	56.7	56.8	56.9	56.8	56.9
[illegible]	51.0	52.2	52.5	52.9	53.1	53.1	53.2	53.3	53.3	53.4
[illegible]	57.5	58.1	58.5	59.0	59.2	59.3	59.4	59.4	59.4	59.5
[illegible]	75.3	75.9	76.1	76.5	76.8	76.9	77.0	77.0	77.0	77.1
[illegible]	79.5	80.1	80.5	80.9	81.1	81.2	81.3	81.4	81.4	81.5
[illegible]	82.7	83.5	83.9	84.2	84.5	84.7	84.7	84.8	84.8	84.9
[illegible]	84.5	85.3	85.7	86.1	86.4	86.5	86.5	86.6	86.6	86.7
[illegible]	85.7	87.5	88.0	88.4	88.7	88.8	88.9	88.9	89.0	89.0
[illegible]	87.4	88.3	88.5	89.3	89.3	89.4	89.5	89.5	89.6	89.7
[illegible]	89.2	90.2	90.5	90.9	91.2	91.3	91.4	91.5	91.5	91.6
[illegible]	91.5	91.9	92.2	92.7	93.0	93.1	93.2	93.2	93.3	93.3
[illegible]	92.5	93.4	93.8	94.2	94.5	94.6	94.7	94.7	94.8	94.9
[illegible]	94.0	94.8	94.8	94.8	95.1	95.2	95.3	95.3	95.3	95.4
[illegible]	93.5	94.7	95.1	95.5	95.8	95.9	96.0	96.1	96.1	96.2
[illegible]	94.7	95.6	95.9	96.5	96.8	96.9	97.0	97.0	97.1	97.2
[illegible]	94.9	96.0	96.3	96.9	97.2	97.3	97.4	97.4	97.4	97.5
[illegible]	95.9	97.0	97.4	97.9	98.2	98.3	98.4	98.5	98.5	98.6
99.4	95.2	97.3	97.7	98.2	98.5	98.7	98.8	98.9	98.9	99.0
[illegible]	95.3	97.5	97.9	98.5	98.9	99.0	99.2	99.2	99.3	99.4
[illegible]	95.3	97.5	98.0	98.6	99.0	99.2	99.4	99.5	99.6	99.7
99.4	95.3	97.5	98.0	98.7	99.1	99.2	99.5	99.7	99.8	100.0
[illegible]	95.3	97.6	98.0	98.7	99.1	99.2	99.5	99.7	99.8	100.0

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OPERATING LOCATION "A"                    PERCENTAGE FREQUENCY OF OCCURRENCE OF C
USAFETAC, ASHEVILLE NC                                 FROM HOURLY OBSERVATIONS

STATION NUMBER: [illegible]   STATION NAME: UPPER HEYFORD RAF UK              [illegible]
                              LST TO UTC: - 0                                  [illegible]
.................................................................................
CEILING                                   VISIBILITY IN METERS
  IN       GE      GE      GE      GE      GE      GE      GE      GE      GE      GE
 FEET     11?     [illegible]      [illegible]      50      4?      40      32      24      20      16
.................................................................................

NO CEIL   33.     34.5    40.4    42.[illegible]    44.5    45.1    45.3    45.5    45.[illegible]    [illegible]

GE 20000  36.     37.7    44.3    46.2    49.5    49.9    50.2    [illegible]    [illegible]    [illegible]
GE 18000  36.     37.7    44.3    46.2    49.5    49.9    50.2    50.5    [illegible]    [illegible]
GE 16000  36.     37.7    44.3    46.2    49.5    49.9    50.2    50.5    [illegible]    [illegible]
GE 14000  36.[illegible]    37.[illegible]    44.4    46.3    49.5    50.0    50.3    50.6    50.9    51.[illegible]
GE 12000  37.3    [illegible]    44.[illegible]    46.[illegible]    50.0    50.4    50.[illegible]    51.1    51.3    51.[illegible]

GE 10000  40.4    41.[illegible]    49.1    50.0    53.8    54.3    54.[illegible]    55.2    55.4    [illegible]
GE  9000  41.9    [illegible]    53.0    [illegible]1.0    54.[illegible]    56.3    56.     56.1    [illegible]    [illegible]
GE  8000  [illegible]    [illegible]    [illegible]    55.3    59.4    60.[illegible]    61.[illegible]    62.3    [illegible]    [illegible]
GE  7000  45.[illegible]    [illegible]    54.[illegible]    57.1    61.3    61.7    62.7    63.1    63.[illegible]    63.[illegible]
GE  6000  45.[illegible]    [illegible]    55.[illegible]    [illegible]    63.0    63.4    64.4    64.[illegible]    65.[illegible]    [illegible]

GE  5000  [illegible]    [illegible]    [illegible]    63.4    65.1    [illegible]    70.1    [illegible]    71.[illegible]    71.[illegible]
GE  4500  [illegible]    [illegible]    [illegible]    [illegible]    73.7    74.2    7[illegible].7    75.3    77.[illegible]    77.[illegible]
GE  4000  [illegible]    [illegible]    [illegible]    71.7    77.[illegible]    [illegible]    [illegible]    [illegible]    [illegible]    [illegible]
GE  3500  [illegible]    [illegible]    [illegible]    72.8    7[illegible].7    7[illegible].4    [illegible]    [illegible]    [illegible]    [illegible]
GE  3000  [illegible]    [illegible]    [illegible]    75.1    [illegible]    [illegible]    [illegible]    [illegible]    [illegible]    [illegible]

GE  2500  [illegible]    [illegible]    72.[illegible]    7[illegible]    [illegible]1.7    [illegible]    [illegible]    [illegible]    [illegible]    [illegible]
GE  2000  [illegible]    [illegible].7    74.[illegible]    76.1    [illegible]4.3    [illegible]5.2    [illegible]    [illegible]7.6    [illegible]    [illegible]
GE  1800  [illegible]    [illegible]2.7    74.[illegible]    7[illegible].1    [illegible]    [illegible]5.2    [illegible]    [illegible]7.4    [illegible]    [illegible]
GE  1500  [illegible]    [illegible].7    7[illegible]    74.[illegible]    [illegible]    [illegible]    [illegible]    [illegible]    [illegible]    [illegible]
GE  1200  [illegible]    [illegible]    7[illegible]    [illegible]    [illegible]7.0    [illegible]7.[illegible]    [illegible]    [illegible]    [illegible]1.[illegible]    [illegible]1.

GE  1000  [illegible]    [illegible]    7[illegible]    [illegible]1.[illegible]    [illegible]    [illegible]4.1    [illegible]1.0    [illegible]1.[illegible]    [illegible].7    [illegible]
GE   900  [illegible]4.     [illegible].1    7[illegible].2    [illegible]1.7    [illegible]    [illegible]    [illegible]1.    [illegible]    [illegible]    [illegible]
GE   800  [illegible]4.[illegible]    [illegible]    7[illegible].9    [illegible]2.[illegible]    90.0    91.0    [illegible]3.0    [illegible]    [illegible].7    [illegible]
GE   700  [illegible]4.5    [illegible]    79.0    [illegible]3.4    91.1    92.[illegible]    [illegible]4.4    95.4    [illegible].1    [illegible]
GE   600  [illegible]4.7    [illegible].3    79.5    [illegible]3.[illegible]    91.4    92.5    94.9    [illegible]    [illegible].7    [illegible]

GE   500  [illegible]4.[illegible]    [illegible]    [illegible]    [illegible]4.0    92.6    94.[illegible]    95.5    [illegible]    [illegible]    [illegible]
GE   400  [illegible]4.[illegible]    [illegible]    [illegible]    [illegible]4.9    92.9    94.3    95.[illegible]    [illegible]    [illegible]    [illegible]
GE   300  [illegible]4.[illegible]    [illegible]    [illegible]    [illegible]4.9    92.9    94.3    95.9    [illegible]    [illegible]    [illegible]
GE   200  [illegible]4.[illegible]    [illegible]    [illegible]    [illegible]4.[illegible]    92.9    94.3    95.9    [illegible]    [illegible]    [illegible]
GE   100  [illegible]4.9    [illegible]    [illegible]    [illegible]4.9    92.9    94.[illegible]    95.9    [illegible]    [illegible]    [illegible]

GE   000  [illegible]4.[illegible]    [illegible]    [illegible]    [illegible]4.9    92.9    94.3    95.9    [illegible]    [illegible]    [illegible]
.................................................................................

TOTAL NUMBER OF OBSERVATIONS   [illegible]
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CENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

[illegible] MEYFORD RAF UK PERIOD OF RECORD: JUL 73 - JUN 83
MONTH: AUG HOURS: 00-02

VISIBILITY IN METERS										
GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
45.1	45.3	45.5	45.[illegible]	45.9	46.0	46.0	46.0	46.0	46.0	46.0
49.9	50.2	50.5	50.8	50.9	51.0	51.0	51.0	51.0	51.0	51.0
49.9	50.2	50.5	50.8	50.9	51.0	51.0	51.0	51.0	51.0	51.0
49.9	50.2	50.5	50.8	50.9	51.0	51.0	51.0	51.0	51.0	51.0
50.0	50.3	50.6	50.9	51.0	51.1	51.1	51.1	51.1	51.1	51.1
50.4	50.8	51.1	51.3	51.4	51.5	51.5	51.5	51.5	51.5	51.5
54.3	54.[illegible]	55.2	55.4	55.5	55.6	55.6	55.6	55.6	55.6	55.6
55.3	55.[illegible]	55.1	55.3	55.5	55.6	55.6	55.6	55.6	55.6	55.6
50.9	51.[illegible]	52.3	52.5	52.7	52.8	52.8	52.8	52.8	52.8	52.8
51.7	52.7	53.1	53.8	53.9	54.0	54.0	54.0	54.0	54.0	54.0
53.4	54.4	54.[illegible]	55.5	55.6	55.7	55.7	55.7	55.7	55.7	55.7
[illegible]	70.1	70.5	71.2	71.3	71.4	71.4	71.4	71.4	71.4	71.4
74.2	75.7	76.3	77.[illegible]	77.2	77.3	77.3	77.3	77.3	77.3	77.3
74.5	77.5	79.1	[illegible]	81.1	81.2	81.2	81.2	81.2	81.2	81.2
79.4	82.9	81.5	82.3	82.5	82.6	82.6	82.6	82.6	82.6	82.6
[illegible]	83.5	84.2	84.9	85.2	85.3	85.3	85.3	85.3	85.3	85.3
[illegible]	85.3	85.5	85.4	85.5	85.7	85.7	85.7	85.7	85.7	85.7
85.2	85.[illegible]	87.4	88.2	88.4	88.5	88.5	88.5	88.5	88.5	88.5
85.2	85.[illegible]	87.4	88.2	88.4	88.5	88.5	88.5	88.5	88.5	88.5
85.5	88.2	88.9	89.6	89.8	89.9	89.9	89.9	89.9	89.9	89.9
87.8	89.6	90.2	91.0	91.2	91.3	91.3	91.3	91.3	91.3	91.3
89.1	91.0	91.8	92.7	92.9	93.0	93.0	93.0	93.0	93.0	93.0
89.[illegible]	91.[illegible]	92.8	93.6	93.8	93.9	93.9	93.9	93.9	93.9	93.9
91.0	93.0	94.0	94.7	94.9	95.1	95.1	95.1	95.1	95.1	95.1
92.[illegible]	94.4	95.4	96.1	96.3	96.5	96.5	96.5	96.5	96.5	96.5
92.5	94.9	95.9	96.7	96.9	97.0	97.0	97.0	97.0	97.0	97.0
94.2	95.5	98.0	98.9	99.1	99.2	99.2	99.2	99.2	99.2	99.2
94.3	95.9	96.4	99.4	99.6	99.7	99.7	99.7	99.7	99.7	99.7
94.3	95.9	98.5	99.5	99.7	99.8	99.8	99.8	99.8	99.8	99.8
94.3	95.9	98.5	99.5	99.7	99.8	99.8	99.8	99.8	99.8	99.8
94.3	95.9	98.5	99.5	99.7	99.8	99.9	99.9	99.9	99.9	99.9
94.3	95.9	98.6	99.6	99.8	99.9	100.0	100.0	100.0	100.0	100.0

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF
FROM HOURLY OBSERVATIONS

STATION NUMBER: 36353 STATION NAME: UPPER HEYFORD RAF UK
LST TO UTC: - 0

CEILING IN FEET	VISIBILITY IN METERS GE 11	GE [illegible]	GE [illegible]	GE [illegible]	GE 48	GE 40	GE 32	GE 24	GE [illegible]	1
NO CEIL	23.6	[illegible]	26.4	29.5	33.0	33.9	34.9	[illegible]	37.1	37.
GE 20000	[illegible]	[illegible]	31.5	32.7	35.6	37.4	[illegible]	40.4	41.	41.
GE 18000	[illegible]	[illegible]	31.5	32.7	35.6	37.4	[illegible]	40.4	41.1	41.
GE 16000	[illegible]	[illegible]	31.6	32.7	35.6	37.4	[illegible]	40.4	41.1	41.
GE 14000	26.2	[illegible]	31.7	32.9	35.7	37.5	38.7	[illegible]	41.2	41.
GE 12000	[illegible]	[illegible]	32.2	33.1	37.1	38.0	39.1	41.	41.5	4
GE 10000	[illegible]	[illegible]	[illegible]	37.3	41.6	42.5	[illegible]	[illegible]	[illegible]	47.
GE 9000	[illegible]	31.1	37.0	[illegible]	42.5	43.5	[illegible]	[illegible]	47.	[illegible]
GE 8000	[illegible]	[illegible]	[illegible]	42.5	47.3	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
GE 7000	34.	[illegible]	41.6	43.3	[illegible]	[illegible]	[illegible]	53.1	[illegible]	[illegible]
GE 6000	35.1	[illegible]	[illegible]	44.	[illegible]	[illegible]	[illegible]	54.4	[illegible]	[illegible]
GE 5000	[illegible]	[illegible]	42.1	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
GE 4500	42.7	[illegible]	[illegible]	[illegible]	55.4	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
GE 4000	44.	44.4	53.5	[illegible]	51.	53.	55.1	57.3	[illegible]	[illegible]
GE 3500	[illegible]	[illegible]	[illegible]	57.1	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	7
GE 3000	[illegible]	[illegible]	[illegible]	[illegible]	67.2	[illegible]	70.3	72.	73.	7
GE 2500	4	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	71.	[illegible]	74.	[illegible]
GE 2000	[illegible]	[illegible]	61.	64.1	70.	72.5	[illegible]	[illegible]	[illegible]	[illegible]
GE 1800	[illegible]	[illegible]	61.	64.5	71.	72.	74.	77.	[illegible]	[illegible]
GE 1500	[illegible]	[illegible]	64.	67.3	74.4	75.	77.6	[illegible]	81.3	[illegible]
GE 1200	63.4	[illegible]	65.3	69.7	76.3	77.7	[illegible]	[illegible]	[illegible]	[illegible]
GE 1000	64.1	[illegible]	65.2	69.4	77.4	79.	[illegible]	[illegible]	[illegible]	[illegible]
GE 900	64.3	64.7	65.5	70.3	73.1	79.7	81.5	[illegible]	[illegible]	[illegible]
GE 800	64.	[illegible]	67.3	71.1	73.1	[illegible]	82.	[illegible]	[illegible]	[illegible]
GE 700	[illegible]	[illegible]	67.	71.	[illegible]	82.4	[illegible]	87.	[illegible]	[illegible]
GE 600	[illegible]	[illegible]	[illegible]	72.	81.7	83.4	[illegible]	[illegible]	[illegible]	[illegible]
GE 500	[illegible]	[illegible]	[illegible]	73.3	83.	85.3	87.7	91.	[illegible]	[illegible]
GE 400	[illegible]	[illegible]	[illegible]	73.4	84.0	85.	[illegible]	91.3	[illegible]	[illegible]
GE 300	[illegible]	[illegible]	[illegible]	73.4	84.2	85.0	88.7	92.7	[illegible]	[illegible]
GE 200	[illegible]	[illegible]	[illegible]	73.4	84.2	85.	[illegible]	92.3	94.	[illegible]
GE 100	[illegible]	[illegible]	[illegible]	73.4	84.2	86.0	[illegible]	92.	94.	[illegible]
GE 000	[illegible]	[illegible]	[illegible]	73.4	84.2	86.	[illegible]	92.	94.	[illegible]

TOTAL NUMBER OF OBSERVATIONS 930

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

[illegible] BEYEDED KAF UK — PERIOD OF RECORD: JUL 78 - JUN 83
MONTH: AUG HOURS: 03-05

VISIBILITY IN METERS										
GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
33.0	34.8	35.5	37.1	37.7	38.1	38.4	38.7	38.9	39.0	39.4
37.4	38.5	40.4	41.1	41.7	42.2	42.5	42.5	43.0	43.1	43.4
37.4	38.5	40.4	41.1	41.7	42.2	42.5	42.5	43.0	43.1	43.4
37.4	38.5	40.4	41.1	41.7	42.2	42.5	42.5	43.0	43.1	43.4
37.5	38.7	40.6	41.2	41.[illegible]	42.3	42.6	42.9	43.1	43.2	43.5
38.0	39.1	41.0	41.6	42.5	42.7	43.0	43.3	43.5	43.7	44.0
42.5	43.9	45.9	46.6	47.2	47.7	48.1	48.4	48.5	48.7	49.0
43.5	44.5	46.9	47.6	48.2	48.7	49.0	49.4	49.5	49.7	50.0
49.4	49.8	51.5	52.5	53.2	53.[illegible]	54.1	54.4	54.[illegible]	54.9	55.4
49.5	51.0	53.1	54.0	54.5	55.3	55.6	55.9	56.3	56.5	56.9
50.0	52.3	54.4	55.3	55.9	56.5	56.9	57.2	57.5	57.7	58.2
55.7	57.2	59.4	61.3	61.1	61.7	62.0	62.4	62.[illegible]	62.9	63.3
53.5	61.2	63.4	64.4	65.2	65.[illegible]	66.1	66.5	66.8	67.0	67.4
53.5	65.1	67.3	67.3	69.[illegible]	69.7	70.0	70.3	70.[illegible]	71.1	71.5
54.[illegible]	66.5	69.1	70.[illegible]	70.[illegible]	71.4	71.7	72.0	72.5	72.5	73.2
57.4	70.3	72.9	73.9	74.5	75.3	75.6	75.9	76.3	76.7	77.1
58.7	71.4	74.0	74.9	75.7	76.3	76.7	77.0	77.4	77.7	78.2
72.3	74.0	76.6	77.5	78.5	79.4	79.2	79.5	80.0	80.3	80.8
72.3	74.6	77.2	78.2	79.9	79.6	79.9	80.2	80.5	81.0	81.4
75.8	77.5	80.5	81.3	82.0	82.7	83.0	83.3	83.6	84.1	84.5
77.7	79.5	82.6	83.5	84.3	85.1	85.4	85.7	86.1	86.5	86.9
79.2	81.9	84.9	84.9	85.7	86.6	87.0	87.3	87.7	88.1	88.5
79.7	81.5	84.6	85.6	86.3	87.2	87.6	88.0	88.4	88.7	89.1
80.5	82.9	85.9	87.0	87.[illegible]	88.7	89.1	89.5	89.9	90.2	90.5
83.4	84.5	87.6	88.6	89.5	90.3	90.6	91.1	91.5	91.9	92.3
83.4	85.8	88.9	89.9	90.[illegible]	91.6	92.0	92.4	92.8	93.1	93.5
85.3	87.7	91.0	92.0	92.9	93.[illegible]	94.2	94.5	95.1	95.4	95.8
85.5	87.4	91.9	93.0	94.0	94.3	95.3	95.6	96.2	96.6	97.0
86.0	88.7	92.7	93.6	94.9	95.9	96.3	96.9	97.5	98.0	98.9
86.0	88.9	92.9	94.0	95.2	96.1	96.7	97.2	97.8	98.3	99.4
86.0	88.9	92.9	94.0	95.2	96.1	96.7	97.2	97.3	98.3	99.7
86.0	88.9	92.9	94.0	95.2	96.1	96.7	97.2	98.0	98.5	100.0

OPERATING LOCATION "A"
USAASTAC, ARDEVILLE [illegible]

PERCENTAGE FREQUENCY OF OCCURRENCE O
FROM HOURLY OBSERVATI

STATION NUMBER: [illegible] STATION NAME: UPPER HEYFORD RAF UK
LST TO UTC: - 0

CEILING IN FEET	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	VISIBILITY IN METERS [illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	112	[illegible]	[illegible]	[illegible]	[illegible]	40	32	24	[illegible]	
[illegible] CEIL	17.7	17.7	22.7	22.9	24.8	25.4	25.8	25.9	27.1	2
[illegible]	[illegible]	[illegible]	[illegible]	25.3	25.3	23.2	23.5	23.3	21.4	23.3	3
[illegible]	21.3	21.3	25.7	27.3	23.2	23.5	32.1	31.5	32.5	3
[illegible]	21.3	21.3	25.7	27.3	23.2	23.5	33.1	31.5	32.5	3
[illegible]	21.3	21.3	25.7	27.3	23.2	25.3	[illegible]	31.3	32.5	3
[illegible]	21.7	21.8	27.2	27.5	23.3	33.4	31.4	32.7	33.3	3
[illegible]	24.3	24.3	31.3	31.3	34.7	35.1	35.3	[illegible]	[illegible]	[illegible]
[illegible]	24.3	32.3	33.4	33.3	35.3	36.3	37.1	33.3	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	35.2	35.3	43.3	42.5	41.3	44.1	44.7	[illegible]
[illegible]	[illegible]	[illegible]	35.5	37.1	43.4	41.1	43.7	44.3	45.[illegible]	4
[illegible]	35.2	[illegible]	38.3	38.[illegible]	42.3	42.9	44.3	45.[illegible]	47.4	4
[illegible]	[illegible]	33.7	41.3	42.7	45.7	47.3	41.3	41.[illegible]	1.	[illegible]
[illegible]	[illegible]	[illegible]	43.3	43.2	33.4	51.1	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	37.3	[illegible]	51.3	51.3	53.3	53.5	[illegible]	51.1	1.7	[illegible]
[illegible]	41.7	41.	52.3	54.1	5[illegible].4	59.9	51.1	53.[illegible]	54.2	[illegible]
[illegible]	43.	43.	55.[illegible]	56.4	61.3	52.3	54.2	55.7	57.3	[illegible]
[illegible]	45.	44.[illegible]	55.3	5[illegible].7	63.2	64.2	55.5	[illegible]	55.7	[illegible]
[illegible]	45.1	45.2	55.7	53.5	65.4	55.5	57.7	71.5	71.3	[illegible]
[illegible]	45.4	45.5	51.2	51.2	55.1	57.2	53.5	72.3	72.7	[illegible]
[illegible]	[illegible]	[illegible]	51.7	53.[illegible]	57.[illegible]	53.9	72.4	75.2	75.[illegible]	7
[illegible]	45.5	46.7	55.6	55.2	73.4	71.5	74.3	75.[illegible]	77.4	7
[illegible]	55.	55.[illegible]	56.3	55.7	72.[illegible]	73.5	75.3	74.1	73.[illegible]	
[illegible]	[illegible]	[illegible]	56.3	59.3	72.[illegible]	74.3	75.5	74.7	[illegible]	[illegible]
[illegible]	51.4	1.5	55.3	5[illegible].3	74.1	75.3	77.7	1.1	1.[illegible]	
[illegible]	1.7	51.3	55.7	58.4	75.3	77.2	73.7	73.3	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	55.5	75.2	77.1	7[illegible].5	51.3	44.4	[illegible]	[illegible]
[illegible]	52.5	52.[illegible]	57.3	71.3	30.1	31.7	[illegible]	7.7	[illegible]	[illegible]
[illegible]	53.5	53.3	53.1	72.3	30.4	32.5	[illegible]	[illegible]	33.5	[illegible]
[illegible]	53.5	52.[illegible]	53.1	72.3	33.5	32.5	33.5	33.4	33.3	[illegible]
[illegible]	53.5	53.[illegible]	53.1	72.3	33.5	32.5	33.5	33.5	33.5	[illegible]
[illegible]	52.5	53.[illegible]	53.1	72.3	33.5	32.7	33.5	33.5	33.4	7
[illegible]	[illegible]	[illegible]	53.1	72.3	33.5	32.7	33.5	33.5	33.4	[illegible]

TOTAL NUMBER OF OBSERVATIONS [illegible]

ASL FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

HEYFORD RAF UK PERIOD OF RECORD: JUL 74 - JUN 85
MONTH: AUG HOURS: 06-09

VISIBILITY IN METERS	50	30	20	15	10	08	06	04	02	00
	32	24	20	16	12	10	08	06	04	00
[illegible]	25.2	26.9	27.1	27.7	28.2	28.3	28.4	28.5	28.7	29.4
[illegible]	30.3	31.6	32.3	33.1	33.9	34.0	34.1	34.4	34.7	35.7
[illegible]	30.6	31.8	32.5	33.3	34.1	34.2	34.3	34.6	34.9	35.9
[illegible]	30.6	31.9	32.5	33.3	34.1	34.2	34.3	34.6	34.9	35.9
[illegible]	30.6	31.2	32.5	33.3	34.1	34.2	34.3	34.6	34.9	35.9
[illegible]	31.4	32.7	33.3	34.2	34.9	35.1	35.2	35.5	35.8	36.9
[illegible]	35.2	36.1	[illegible]	39.2	40.5	40.7	40.9	41.2	41.5	42.5
[illegible]	35.1	39.5	40.5	41.6	42.4	42.5	42.7	43.1	43.4	44.4
[illegible]	42.2	44.1	44.7	45.9	46.7	46.9	47.1	47.6	48.0	48.9
[illegible]	42.7	44.9	45.5	46.8	47.5	47.7	48.0	48.5	48.8	49.8
[illegible]	44.5	45.9	47.4	48.5	49.4	49.5	49.8	50.3	50.6	51.6
[illegible]	48.9	51.2	51.[illegible]	53.0	53.9	54.1	54.3	54.8	55.2	56.1
[illegible]	49.4	53.3	55.9	57.1	58.0	58.2	58.4	58.8	59.2	60.2
[illegible]	[illegible].5	51.1	51.7	52.9	53.9	54.0	54.2	54.7	55.2	56.1
[illegible]	51.1	53.5	54.2	55.4	56.2	56.5	56.7	57.2	57.6	58.6
[illegible]	54.2	55.7	57.3	58.5	59.5	59.7	59.9	70.4	70.9	71.9
[illegible]	59.5	59.9	59.7	71.0	71.9	72.2	72.4	72.9	73.3	74.3
[illegible]	59.7	71.3	71.9	73.2	74.2	74.4	74.6	75.2	75.6	76.6
[illegible]	59.5	72.0	72.7	74.0	74.9	75.2	75.4	75.9	76.3	77.3
[illegible]	72.4	75.2	75.8	77.1	78.1	78.3	78.5	79.0	79.5	80.4
[illegible]	74.0	76.4	77.4	78.9	80.0	80.2	80.4	81.0	81.4	82.4
[illegible]	75.0	79.1	79.6	81.2	82.4	82.6	82.7	83.3	84.0	84.9
[illegible]	75.5	79.7	80.3	81.7	82.9	83.1	83.3	83.9	84.5	85.5
[illegible]	77.7	81.1	81.9	83.3	84.6	84.7	84.9	85.5	86.1	87.1
[illegible]	79.7	83.0	83.8	85.3	86.5	86.7	86.9	87.4	88.1	89.0
[illegible]	81.0	84.4	85.2	86.7	87.8	88.1	88.3	88.9	89.5	90.4
[illegible]	84.2	87.7	88.5	90.0	91.4	91.7	92.0	92.6	93.4	94.4
[illegible]	84.9	88.6	89.5	91.1	92.6	93.0	93.4	94.0	94.8	95.8
[illegible]	85.5	89.4	90.2	91.9	93.7	94.1	94.5	95.3	96.1	97.3
[illegible]	85.5	89.5	90.5	92.0	93.9	94.4	95.1	95.9	97.0	99.0
[illegible]	85.6	89.6	90.4	92.2	94.0	94.5	95.2	96.0	97.1	99.8
[illegible]	85.6	89.6	90.4	92.2	94.0	94.5	95.2	96.1	97.2	100.0

OPERATING LOCATION [illegible]
USAFETAC, ASHEVILLE NC

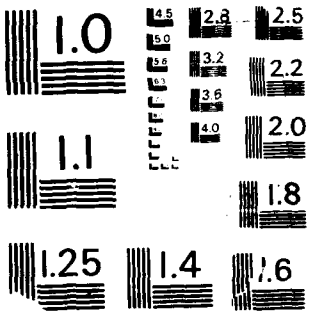
PERCENTAGE FREQUENCY OF OCCURRENCE OF
FROM HOURLY OBSERVATI

STATION NUMBER: [illegible]   STATION NAME: UPPER HEYFORD RAF UK
LST TO GMT: - 0

CEILING IN FEET	VISIBILITY IN METERS								
	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
NO CEIL	[illegible]	[illegible]	[illegible]	[illegible]	23.7	[illegible]	24.2	[illegible]	[illegible]
GE 20000	[illegible]	[illegible]	[illegible]	[illegible]	31.1	31.7	[illegible]	32.7	[illegible]
GE 18000	[illegible]	[illegible]	[illegible]	29.7	31.4	[illegible]	32.4	[illegible]	[illegible]
GE 16000	[illegible]	[illegible]	[illegible]	29.7	31.4	32.0	32.4	[illegible]	[illegible]
GE 14000	[illegible]	[illegible]	[illegible]	[illegible]	31.5	[illegible]	32.5	33.1	33.1
GE 12000	[illegible]	[illegible]	[illegible]	31.1	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
GE 10000	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
GE 9000	[illegible]	[illegible]	[illegible]	35.7	[illegible]	[illegible]	[illegible]	41.1	41.1
GE 8000	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
GE 7000	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
GE 6000	[illegible]	[illegible]	41.1	[illegible]	44.7	[illegible]	[illegible]	[illegible]	[illegible]
GE 5000	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
GE 4500	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
GE 4000	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	51.1	[illegible]	[illegible]	[illegible]
GE 3500	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
GE 3000	[illegible]	[illegible]	[illegible]	[illegible]	74.1	[illegible]	[illegible]	[illegible]	[illegible]
GE 2500	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	77.7	[illegible]	[illegible]	[illegible]
GE 2000	[illegible]	[illegible]	77.1	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
GE 1800	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
GE 1500	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
GE 1200	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
GE 1000	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
GE 900	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
GE 800	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
GE 700	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
GE 600	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
GE 500	[illegible]	77.1	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
GE 400	[illegible]	77.1	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
GE 300	[illegible]	77.1	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
GE 200	[illegible]	77.1	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
GE 100	[illegible]	77.1	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
GE 0	[illegible]	77.1	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

TOTAL [illegible]

AD-A211 167 SURFACE OBSERVATION CLIMATIC SUMMARIES (SOCS) FOR UPPER 6/8
HEYFORD RAF UNITED KINGDOM(U) AIR FORCE ENVIRONMENTAL
TECHNICAL APPLICATIONS CENTER SCOTT A.. JUN 89
UNCLASSIFIED USAFETAC/DS-89/206 F/G 4/2 NL


1.0
4.5
5.0
5.6
6.3
2.8
2.5
3.2
2.2
3.6
4.0
2.0
1.1
1.8
1.25
1.4
1.6

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

[illegible] AFB UK PERIOD OF RECORD: JUL 78 - JUN 83
MONTH: AUG HOURS: 09-11

VISIBILITY IN METERS										
50	32	24	20	16	12	10	08	06	04	00
24.2	24.2	24.3	24.5	24.5	24.6	24.6	24.8	24.8	24.9	24.9
31.7	32.3	32.7	32.7	32.7	32.[illegible]	32.9	33.0	33.0	33.1	33.1
32.3	32.4	33.0	33.0	33.0	33.1	33.1	33.3	33.3	33.4	33.4
32.3	32.4	33.0	33.0	33.0	33.1	33.1	33.3	33.3	33.4	33.4
32.2	32.5	33.1	33.1	33.1	33.2	33.2	33.4	33.4	33.5	33.5
33.5	33.8	34.5	34.5	34.5	34.7	34.7	34.9	34.9	35.1	35.1
37.5	38.3	39.4	39.4	39.4	39.5	39.5	39.7	39.7	39.8	39.8
37.2	40.2	41.1	41.1	41.1	41.2	41.2	41.4	41.4	41.5	41.5
42.3	43.7	44.[illegible]	44.[illegible]	44.[illegible]	44.9	44.9	45.2	45.2	45.3	45.3
44.5	45.4	45.6	45.6	45.5	45.7	45.7	45.9	45.9	47.0	47.0
45.5	46.2	47.5	47.5	47.5	47.[illegible]	47.5	47.8	47.8	48.0	48.0
45.[illegible]	47.5	51.0	51.0	51.2	51.4	51.4	51.6	51.6	51.7	51.7
53.3	53.[illegible]	55.2	55.2	55.4	55.5	55.5	55.8	55.8	55.9	55.9
61.1	61.[illegible]	63.2	63.2	63.4	63.8	63.8	64.0	64.0	64.1	64.1
55.5	55.8	67.7	67.7	68.0	68.3	68.3	68.5	68.5	68.6	68.6
75.1	75.5	77.2	77.2	77.4	77.7	77.7	78.0	78.0	78.1	78.1
77.7	7[illegible].5	79.9	79.9	80.1	80.4	80.4	80.5	80.5	80.8	80.8
82.5	83.[illegible]	85.1	85.1	85.3	85.6	85.6	85.8	85.8	85.9	85.9
3.4	84.4	85.[illegible]	85.[illegible]	86.1	86.5	86.5	86.7	86.7	86.8	86.8
85.2	87.2	88.8	88.8	89.0	89.4	89.4	89.6	89.6	89.7	89.7
89.7	90.6	92.4	92.4	92.6	92.9	92.9	93.1	93.1	93.2	93.2
90.4	91.4	93.1	93.1	93.4	93.6	93.8	94.0	94.0	94.1	94.1
90.[illegible]	91.[illegible]	93.5	93.5	93.9	94.2	94.2	94.4	94.4	94.5	94.5
91.4	92.5	94.3	94.3	94.5	94.9	94.9	95.2	95.2	95.3	95.3
91.9	93.0	94.8	94.8	95.2	95.5	95.5	95.7	95.7	95.8	95.8
92.4	93.7	95.5	95.5	95.9	96.3	96.3	96.6	96.6	96.7	96.7
93.8	95.8	97.3	97.3	98.0	98.5	98.5	98.7	98.7	98.8	98.8
94.0	95.9	97.5	97.5	98.2	98.7	98.7	98.9	98.9	99.0	99.0
94.2	95.7	98.0	98.1	98.7	99.2	99.5	99.7	99.7	99.8	99.8
94.2	95.7	98.0	98.1	98.8	99.4	99.6	99.8	99.9	100.0	100.0
94.2	95.7	98.0	98.1	98.8	99.4	99.6	99.8	99.9	100.0	100.0
94.2	95.7	98.0	98.1	98.8	99.4	99.6	99.8	99.9	100.0	100.0

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OPERATING LOCATION "A"                    PERCENTAGE FREQUENCY OF OCCURRENCE OF CEI
USAFETAC, ASHEVILLE NC                              [illegible] HOURLY OBSERVATIONS

STATION NUMBER: [illegible]    STATION NAME: [illegible]                      [illegible]
                               LST TO UTC: - 6                                [illegible]
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CEILING IN FEET	VISIBILITY IN METERS									
	11[illegible]	[illegible]	[illegible]	[illegible]	4[illegible]	40	32	24	[illegible]	1[illegible]
NO CEIL	17.[illegible]	17.[illegible]	20.	20.3	21.5	21.3	22.[illegible]	22.[illegible]	22.2	[illegible]
GE 20000	22.0	22.2	[illegible]	27.0	27.[illegible]	[illegible].3	[illegible]	[illegible]	[illegible]	[illegible]
GE 18000	[illegible]	[illegible]	[illegible].1	27.3	28.2	[illegible]	[illegible].7	[illegible]	[illegible]	[illegible]
GE 16000	[illegible]	[illegible]	[illegible]	27.5	28.4	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
GE 14000	[illegible]	[illegible]	[illegible]	[illegible].1	28.9	29.4	[illegible]	[illegible]	[illegible]	[illegible]
GE 12000	[illegible]	[illegible]	27.	[illegible]	[illegible]	30.3	[illegible]	30.[illegible]	[illegible]	[illegible]
GE 10000	[illegible]	[illegible]	[illegible]	32.2	33.[illegible]	33.7	34.1	34.[illegible]	34.[illegible]	[illegible]
GE 9000	[illegible]	[illegible]	31.5	32.[illegible]	34.[illegible]	34.[illegible]	[illegible]	[illegible].1	[illegible].1	[illegible]
GE 8000	[illegible].1	[illegible]	35.1	35.5	37.7	3[illegible].3	[illegible].7	[illegible]	[illegible]	[illegible]
GE 7000	41.1	41.	[illegible]	3[illegible].1	39.2	39.[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
GE 6000	[illegible]	[illegible]	[illegible].1	39.[illegible]	[illegible]	41.3	41.7	41.[illegible]	41.[illegible]	41.[illegible]
GE 5000	[illegible]	[illegible]	[illegible].2	[illegible]	43.[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
GE 4500	[illegible]	[illegible]	[illegible]	52.5	53.[illegible]	54.3	[illegible].7	[illegible].1	[illegible].1	[illegible].1
GE 4000	[illegible]	[illegible]	[illegible]	[illegible].4	55.7	[illegible]	[illegible]	57.[illegible]	[illegible]	[illegible]
GE 3500	[illegible]	[illegible]	71.[illegible]	73.[illegible]	74.3	74.[illegible]	7[illegible].5	7[illegible]	7[illegible]	7[illegible]
GE 3000	73.1	74.[illegible]	[illegible]	[illegible]	[illegible]	[illegible].3	[illegible]	[illegible].3	[illegible].3	[illegible].3
GE 2500	7[illegible].1	77.4	[illegible].1	[illegible].1	[illegible]	[illegible].7	[illegible]	[illegible]	[illegible]	[illegible]
GE 2000	77.	7[illegible]	[illegible]	[illegible].4	[illegible]	91.3	[illegible]	[illegible].4	[illegible]	[illegible]
GE 1800	7[illegible]	[illegible]	[illegible]7.1	[illegible].1	91.3	92.2	[illegible]	[illegible].2	[illegible].2	[illegible]
GE 1500	[illegible]	[illegible]1.	[illegible].7	[illegible]	93.1	9[illegible].3	[illegible].1	[illegible]	[illegible].4	[illegible]
GE 1200	[illegible]	[illegible]	[illegible]	[illegible]	94.[illegible]	97.7	[illegible]	97.[illegible]	97.[illegible]	97.[illegible]
GE 1000	[illegible]	[illegible]	[illegible]	[illegible]	95.[illegible]	97.[illegible]	97.[illegible]	[illegible].3	[illegible].3	[illegible]
GE 900	[illegible]1.3	[illegible]	[illegible]1.[illegible]	[illegible].3	95.1	97.3	[illegible]	[illegible].7	[illegible].7	[illegible]
GE 800	[illegible]1.4	[illegible]	[illegible]1.4	93.[illegible]	95.5	97.7	[illegible].7	[illegible].1	[illegible].1	[illegible].1
GE 700	91.5	[illegible].1	91.[illegible]	93.9	95.7	98.0	[illegible]	99.4	99.4	[illegible]
GE 600	[illegible]1.5	[illegible]	91.5	94.[illegible]	96.[illegible]	9[illegible].1	99.1	99.5	99.5	[illegible]
GE 500	[illegible]	[illegible].2	91.6	94.1	95.9	98.2	99.4	99.[illegible]	[illegible].3	99.
GE 400	[illegible]1.6	[illegible]	91.5	94.1	95.9	98.2	[illegible].4	99.[illegible]	[illegible]	[illegible]
GE 300	[illegible]1.5	[illegible].2	91.5	94.1	95.9	[illegible].2	[illegible].4	[illegible]	[illegible]	[illegible]
GE 200	[illegible]1.6	[illegible].2	91.[illegible]	94.1	95.9	98.2	[illegible].4	99.[illegible]	99.[illegible]	99.[illegible]
GE 100	[illegible]1.6	[illegible].2	91.6	94.1	95.9	98.2	99.4	99.[illegible]	99.[illegible]	99.[illegible]
GE [illegible]	[illegible]1.6	[illegible].2	91.6	94.1	95.9	98.2	[illegible].4	[illegible]	[illegible]	[illegible]

TOTAL NUMBER OF OBSERVATIONS 93[illegible]

NTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

R HEYFORD RAF UK PERIOD OF RECORD: JUL 73 - JUN 84
MONTH: AUG HOURS: 12-14

VISIBILITY IN METERS

GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
21.9	22.0	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2
28.3	28.4	28.5	28.5	28.5	28.5	28.5	28.5	28.5	28.5	28.5
28.5	28.7	28.8	28.8	28.8	28.8	28.8	28.8	28.8	28.8	28.8
28.9	28.9	29.0	29.0	29.0	29.0	29.0	29.0	29.0	29.0	29.0
29.4	29.5	29.6	29.6	29.6	29.6	29.6	29.6	29.6	29.6	29.6
30.3	30.4	30.5	30.5	30.5	30.5	30.5	30.5	30.5	30.5	30.5
33.7	34.1	34.3	34.3	34.3	34.3	34.3	34.3	34.3	34.3	34.3
34.4	34.8	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.1
37.3	38.7	38.9	38.9	38.9	38.9	38.9	38.9	38.9	38.9	38.9
39.8	40.2	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4
41.3	41.7	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9
48.5	48.9	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2
54.3	54.7	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1
65.3	66.9	67.2	67.2	67.2	67.3	67.4	67.4	67.4	67.4	67.4
74.9	75.5	75.8	75.8	75.8	75.9	76.0	76.0	76.0	76.0	76.0
85.3	86.0	86.3	86.3	86.3	86.5	86.5	86.6	86.6	86.6	86.6
88.7	89.5	89.8	89.8	89.8	89.9	90.0	90.0	90.0	90.0	90.0
91.3	92.0	92.4	92.4	92.4	92.5	92.5	92.5	92.5	92.5	92.5
92.2	92.9	93.2	93.2	93.2	93.3	93.4	93.4	93.4	93.4	93.4
94.8	95.1	95.4	95.4	95.4	95.5	95.6	95.6	95.6	95.6	95.6
95.7	96.5	97.0	97.0	97.0	97.1	97.2	97.2	97.2	97.2	97.2
97.0	97.5	98.3	98.3	98.3	98.4	98.5	98.5	98.5	98.5	98.5
97.3	98.3	98.7	98.7	98.7	98.8	98.9	98.9	98.9	98.9	98.9
97.7	98.7	99.1	99.1	99.1	99.2	99.4	99.4	99.4	99.4	99.4
98.0	98.9	99.4	99.4	99.4	99.5	99.6	99.6	99.6	99.6	99.6
99.1	99.1	99.6	99.6	99.6	99.7	99.8	99.8	99.8	99.8	99.8
99.2	99.4	99.8	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0
99.2	99.4	99.8	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0
99.2	99.4	99.8	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0
99.2	99.4	99.8	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0
99.2	99.4	99.8	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0
99.2	99.4	99.8	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEI
FROM HOURLY OBSERVATIONS

STATION NUMBER: [illegible]
STATION NAME: UPPER HEYFORD UK
LST TO UTC: - 0

CEILING IN FEET	VISIBILITY IN METERS									
	11[illegible]	[illegible]	[illegible]	[illegible]	4[illegible]	40	32	[illegible]4	[illegible]	1[illegible]
NO CEIL	[illegible]	[illegible]	23.1	23.7	24.3	24.6	[illegible]	24.6	24.6	[illegible]
GE 20000	[illegible]	[illegible]	29.5	30.4	31.3	31.7	[illegible]	[illegible]	[illegible]	31.
GE 18000	[illegible]	[illegible]	29.7	30.5	31.4	31.5	[illegible]	[illegible]	[illegible]	[illegible]
GE 16000	27.1	[illegible]	29.7	30.5	31.4	31.5	[illegible]	[illegible]	[illegible]	[illegible]
GE 14000	[illegible]	[illegible]	30.1	31.0	31.8	32.3	32.4	32.4	32.4	[illegible]
GE 12000	[illegible]	[illegible]	31.2	[illegible]	33.0	33.4	33.5	[illegible]	[illegible]	[illegible]
GE 10000	[illegible]	[illegible]	34.5	35.7	37.4	[illegible]	38.2	[illegible]	[illegible]	[illegible]
GE 9000	31.	[illegible]	35.5	37.5	39.2	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
GE 8000	35.1	[illegible]	40.2	41.5	43.8	44.2	44.4	[illegible]	[illegible]	[illegible]
GE 7000	[illegible]	[illegible]	42.2	45.5	45.5	46.2	46.5	[illegible]	[illegible]	[illegible]
GE 6000	[illegible]	[illegible]	44.4	[illegible]	47.7	[illegible]	48.7	48.7	[illegible]	[illegible]
GE 5000	[illegible]	[illegible]	57.4	[illegible]	[illegible]	61.5	[illegible]	[illegible]	[illegible]	[illegible]
GE 4500	[illegible]	[illegible]	63.7	65.5	67.[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
GE 4000	67.7	[illegible]	75.3	77.2	[illegible]	81.3	[illegible]	[illegible]	[illegible]	[illegible]
GE 3500	72.[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	86.5	[illegible]	[illegible]	[illegible]	[illegible]
GE 3000	75.3	[illegible]	[illegible]	[illegible]	[illegible]	90.4	[illegible]	91.1	91.1	91.1
GE 2500	[illegible]	[illegible]	87.3	89.1	91.[illegible]	92.7	93.1	[illegible]	[illegible]	[illegible]
GE 2000	[illegible]	[illegible]	88.1	[illegible]	92.9	[illegible]	94.4	[illegible]	[illegible]	[illegible]
GE 1800	[illegible]	[illegible]	[illegible]	90.3	[illegible]	94.2	[illegible]	95.1	95.1	95.1
GE 1500	[illegible]	[illegible]	[illegible]	91.7	94.0	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
GE 1200	[illegible]	[illegible]	90.1	92.5	95.0	[illegible]	97.5	[illegible]	[illegible]	[illegible]
GE 1000	[illegible]	[illegible]	[illegible]	93.0	95.7	97.5	[illegible]	[illegible]	[illegible]	[illegible]
GE 900	[illegible]	[illegible]	[illegible]	93.0	95.7	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
GE 800	[illegible]	[illegible]	[illegible]	93.2	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
GE 700	[illegible]	[illegible]	[illegible]	[illegible]	96.9	97.9	98.6	[illegible]	[illegible]	[illegible]
GE 600	[illegible]	[illegible]	[illegible]	93.3	97.0	98.0	98.7	[illegible]	[illegible]	[illegible]
GE 500	[illegible]	[illegible]	[illegible]	93.7	97.3	98.3	[illegible]	99.2	[illegible]	[illegible]
GE 400	[illegible]	82.7	90.3	93.7	97.3	98.6	99.4	[illegible]	[illegible]	[illegible]
GE 300	[illegible]	[illegible]	90.3	93.7	97.3	98.6	99.4	[illegible]	[illegible]	[illegible]
GE 200	[illegible]	[illegible]	[illegible]	93.7	97.3	98.6	99.4	[illegible]	[illegible]	[illegible]
GE 100	[illegible]	82.7	[illegible]	93.7	97.3	98.6	99.4	[illegible]	[illegible]	[illegible]
GE 000	[illegible]	[illegible]	90.3	93.7	[illegible]	98.6	99.4	[illegible]	[illegible]	[illegible]

TOTAL NUMBER OF OBSERVATIONS 93[illegible]

SI FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

HEYFORD RAF UK   PERIOD OF RECORD: JUL 78 - JUN 88
                              MONTH: AUG   HOURS: 15-17

IBILITY IN METERS

[illegible] 4	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
[illegible]	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6
1.7	31.8	31.8	31.8	31.8	31.8	31.8	31.8	31.8	31.8	31.8
1.9	31.9	31.9	31.9	31.9	31.9	31.9	31.9	31.9	31.9	31.9
1.9	31.9	31.9	31.9	31.9	31.9	31.9	31.9	31.9	31.9	31.9
2.3	32.4	32.4	32.4	32.4	32.4	32.4	32.4	32.4	32.4	32.4
3.4	33.5	33.5	33.5	33.5	33.5	33.5	33.5	33.5	33.5	33.5
[illegible]	38.2	38.2	38.2	38.2	38.2	38.2	38.2	38.2	38.2	38.2
[illegible]	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0
.2	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4
.2	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5
[illegible]	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7
[illegible]	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
[illegible]	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4
1.3	81.7	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8
[illegible]	86.9	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0
.4	90.9	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1
.7	93.1	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
[illegible]	94.4	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6
[illegible]	95.0	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1
[illegible]	96.5	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
[illegible]	97.6	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
7.5	98.3	98.5	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
7.5	98.3	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
7.7	98.5	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
7.9	98.6	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
[illegible]	98.7	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
.3	99.0	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
.5	99.4	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
.5	99.4	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
.6	99.4	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
.6	99.4	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
.5	99.4	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILI
FROM HOURLY OBSERVATIONS

STATION NUMBER: 3[illegible] STATION NAME: UPPER HEYFORD RAF UK
LST TO UTC: - 0

PERIOD [illegible]
MONTH: [illegible]

CEILING IN FEET	VISIBILITY IN METERS GE 10000	GE 8000	GE 6000	GE 5000	GE 4800	GE 4000	GE 3200	GE 2400	GE 2000	GE 1600
NO CEIL	27.4	29.9	34.0	35.5	35.7	36.9	37.1	37.2	37.3	37.4
GE 20000	34.2	36.3	41.9	43.	45.7	45.9	46.2	46.3	46.5	46.6
GE 18000	34.2	36.3	41.9	43.4	45.7	45.9	46.2	46.3	46.5	46.6
GE 16000	34.3	36.4	42.0	43.9	45.8	46.1	46.3	46.5	46.6	46.7
GE 14000	34.7	37.0	42.5	44.3	46.2	46.5	46.6	46.9	47.0	47.1
GE 12000	35.4	37.5	43.1	44.9	47.0	47.3	47.5	47.6	47.7	47.
GE 10000	37.4	39.4	45.7	47.7	50.0	50.3	50.5	50.5	50.6	50.6
GE 9000	39.5	39.7	48.5	49.5	50.9	51.1	51.3	51.5	51.7	51.8
GE 8000	42.0	43.9	51.1	53.1	55.9	56.2	56.5	57.0	57.1	57.2
GE 7000	44.4	46.5	52.9	54.9	57.7	58.2	58.5	59.1	59.2	59.4
GE 6000	46.1	47.8	55.3	57.5	60.3	60.8	61.1	61.7	61.9	61.9
GE 5000	54.2	56.5	64.0	66.5	70.2	70.9	71.2	71.6	71.9	72.
GE 4500	59.5	61.9	70.4	72.0	75.4	77.5	77.8	78.5	78.6	78.7
GE 4000	65.5	67.5	77.5	80.0	84.1	84.5	85.2	85.5	85.6	85.1
GE 3500	68.1	69.6	79.7	82.2	85.2	87.0	87.3	88.2	88.4	88.5
GE 3000	70.3	71.5	82.4	84.5	89.0	89.7	90.0	90.3	91.1	91.1
GE 2500	71.5	73.0	83.7	86.1	90.2	91.0	91.3	92.2	92.4	92.5
GE 2000	72.5	74.1	84.7	87.5	91.7	92.5	93.0	93.7	93.9	94.
GE 1800	72.5	74.1	84.7	87.5	91.7	92.5	93.0	93.7	93.9	94.
GE 1500	72.9	74.4	85.5	88.5	92.7	93.7	94.0	95.0	95.4	95.5
GE 1200	73.4	74.9	86.0	89.9	94.3	95.2	95.5	96.	97.0	97.1
GE 1000	73.9	75.4	87.2	90.4	94.9	95.9	96.2	97.5	98.1	98.3
GE 900	74.0	75.5	87.3	90.5	95.2	96.1	96.5	97.	98.3	98.4
GE 800	74.0	75.5	87.3	90.5	95.3	96.2	96.6	98.0	98.5	98.7
GE 700	74.0	75.5	87.4	90.8	95.5	96.5	97.1	98.5	98.9	99.
GE 600	74.0	75.5	87.5	90.9	95.5	96.5	97.2	98.5	99.0	99.1
GE 500	74.0	75.5	87.6	91.0	96.0	97.0	97.5	99.0	99.5	99.7
GE 400	74.0	75.5	87.6	91.0	96.0	97.0	97.5	99.4	99.9	100.0
GE 300	74.0	75.5	87.6	91.0	96.0	97.0	97.5	99.4	99.9	100.0
GE 200	74.0	75.5	87.6	91.0	96.0	97.0	97.5	99.4	99.9	100.0
GE 100	74.0	75.5	87.6	91.0	96.0	97.0	97.5	99.4	99.9	100.0
GE 000	74.0	75.5	87.6	91.0	96.0	97.0	97.6	99.4	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 930

- FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

YEHUD RAF UK PERIOD OF RECORD: JUL 78 - JUN 83
MONTH: AUG HOURS: 19-20

VISIBILITY IN METERS	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
[illegible]	37.1	37.2	37.3	37.4	37.4	37.4	37.4	37.4	37.4	37.4
[illegible]	45.2	45.3	45.5	45.5	45.6	45.6	45.6	45.6	45.6	45.6
[illegible]	45.2	45.3	45.5	45.5	45.6	45.6	45.6	45.6	45.6	45.6
[illegible]	45.3	45.5	45.6	45.7	45.7	45.7	45.7	45.7	45.7	45.7
[illegible]	45.3	45.9	47.0	47.1	47.1	47.1	47.1	47.1	47.1	47.1
[illegible]	47.5	47.5	47.7	47.8	47.8	47.8	47.8	47.8	47.8	47.8
[illegible]	50.5	50.5	50.8	50.9	50.9	50.9	50.9	50.9	50.9	50.9
[illegible]	51.3	51.5	51.7	51.8	51.8	51.8	51.8	51.8	51.8	51.8
[illegible]	55.5	57.0	57.1	57.2	57.2	57.2	57.2	57.2	57.2	57.2
[illegible]	[illegible]	59.1	59.2	59.4	59.4	59.4	59.4	59.4	59.4	59.4
[illegible]	51.1	51.7	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9
[illegible]	71.2	71.8	71.9	72.0	72.0	72.0	72.0	72.0	72.0	72.0
[illegible]	77.5	78.5	78.6	78.7	78.7	78.7	78.7	78.7	78.7	78.7
[illegible]	85.2	85.5	85.9	86.1	86.1	86.1	86.1	86.1	86.1	86.1
[illegible]	87.3	88.2	88.4	88.5	88.5	88.5	88.5	88.5	88.5	88.5
[illegible]	90.0	90.9	91.1	91.2	91.2	91.2	91.2	91.2	91.2	91.2
[illegible]	91.3	92.2	92.4	92.5	92.5	92.5	92.5	92.5	92.5	92.5
[illegible]	93.3	93.7	93.9	94.0	94.0	94.0	94.0	94.0	94.0	94.0
[illegible]	93.3	93.7	93.9	94.0	94.0	94.0	94.0	94.0	94.0	94.0
[illegible]	94.9	95.2	95.4	95.5	95.5	95.5	95.5	95.5	95.5	95.5
[illegible]	95.5	96.9	97.0	97.1	97.1	97.1	97.1	97.1	97.1	97.1
[illegible]	96.2	97.5	98.1	98.2	98.2	98.2	98.2	98.2	98.2	98.2
[illegible]	96.5	97.2	98.3	98.4	98.4	98.4	98.4	98.4	98.4	98.4
[illegible]	[illegible]	98.2	98.6	98.7	98.7	98.7	98.7	98.7	98.7	98.7
[illegible]	97.1	98.5	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0
[illegible]	97.2	98.5	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1
[illegible]	97.5	99.0	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7
[illegible]	97.5	99.4	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
[illegible]	97.5	99.4	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
[illegible]	97.5	99.4	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
[illegible]	97.5	99.4	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
[illegible]	97.6	99.4	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0

OPERATING LOCATE [illegible]
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CIL[illegible]
[illegible] ONLY [illegible] OBSERVATIONS

STATION NUMBER : [illegible] STATION NAME: UPPER [illegible]
LST TIMES: - 0

CEILING FT	5	3	2	1	0	3	2	1	0	1
	VISIBILITY IN [illegible]									
	11	9	7	5	4	3	2	1	0	1
NO CEIL	[illegible]	[illegible]	43.4	44.5	45.3	45.9	47.1	47.3	47.3	47.[illegible]
20 [illegible]	42.3	43.2	44.3	48.3	53.3	53.5	54.3	54.4	54.4	54.[illegible]
15 [illegible]	42.3	43.2	44.3	48.3	53.3	53.5	54.3	54.4	54.4	54.5
10 [illegible]	42.3	43.2	44.3	44.4	53.3	53.5	54.3	54.4	54.4	54.[illegible]
5 [illegible]	42.3	43.2	44.3	48.3	53.3	53.5	54.2	54.4	54.4	54.[illegible]
0 [illegible]	42.3	43.2	44.7	52.3	53.4	54.0	54.4	54.[illegible]	54.[illegible]	55.1
2 [illegible]	46.[illegible]	53.[illegible]	53.[illegible]	52.[illegible]	55.[illegible]	55.1	55.5	57.[illegible]	57.[illegible]	7.[illegible]
1 [illegible]	44.3	45.1	51.[illegible]	53.5	55.[illegible]	57.1	57.5	57.[illegible]	[illegible]	[illegible]
0 [illegible]	42.3	45.[illegible]	50.7	52.3	53.2	56.[illegible]	61.3	61.[illegible]	61.	55.
3 [illegible]	[illegible]	45.3	[illegible]	55.1	61.4	61.9	62.5	63.1	63.1	63.3
1 [illegible]	[illegible]	51.[illegible]	53.1	57.4	64.3	64.9	65.5	65.5	65.5	65.7
0 [illegible]	[illegible]	57.[illegible]	64.[illegible]	[illegible]	69.3	72.[illegible]	71.5	72.3	72.5	72.3
3 4[illegible]	61.1	63.3	69.5	71.9	73.	77.[illegible]	77.7	77.3	77.3	75.3
2 [illegible]	61.1	67.1	73.1	77.5	81.4	82.7	83.3	84.4	84.5	84.7
1 [illegible]	67.1	[illegible]	74.3	77.4	83.[illegible]	85.1	85.3	85.5	85.7	85.[illegible]
0 [illegible]	[illegible]	71.5	77.4	82.[illegible]	86.5	87.6	88.6	88.5	88.[illegible]	[illegible]
3 [illegible]	69.	71.1	81.2	82.[illegible]	87.4	88.3	88.8	90.4	90.[illegible]	91.[illegible]
2 [illegible]	71.4	71.7	81.[illegible]	84.1	88.[illegible]	90.3	91.3	91.3	92.[illegible]	92.4
1 [illegible]	71.[illegible]	71.[illegible]	81.4	84.3	89.3	91.5	91.5	92.[illegible]	92.4	92.
0 [illegible]	71.3	72.3	81.3	84.7	89.5	91.3	91.9	92.5	92.	93.[illegible]
3 [illegible]	71.4	72.7	82.[illegible]	85.7	90.5	92.3	93.2	93.4	94.[illegible]	94.4
2 [illegible]	71.4	72.7	83.3	86.3	91.2	93.3	94.2	95.[illegible]	95.5	95.[illegible]
1 [illegible]	71.[illegible]	72.7	83.5	86.7	91.5	93.4	94.3	95.6	95.7	95.5
0 [illegible]	71.[illegible]	73.3	83.9	87.1	92.2	94.5	95.2	95.1	95.5	95.[illegible]
3 [illegible]	72.3	73.3	84.3	87.5	92.7	94.7	95.2	97.2	97.5	[illegible]
2 [illegible]	72.[illegible]	73.3	84.3	87.5	93.1	95.2	95.7	97.7	98.1	[illegible]
1 [illegible]	72.5	73.3	85.1	88.4	94.3	95.1	97.5	98.3	99.[illegible]	99.7
0 [illegible]	72.5	73.9	85.2	88.5	94.3	95.3	97.5	99.1	99.5	99.[illegible]
3 [illegible]	72.5	73.9	85.2	88.5	94.2	95.3	97.[illegible]	99.2	99.5	100.[illegible]
2 [illegible]	72.5	73.9	85.2	88.5	94.2	95.3	97.3	99.2	99.5	100.[illegible]
1 [illegible]	72.6	73.9	85.2	88.5	94.2	95.3	97.3	99.2	99.5	100.[illegible]
0 [illegible]	72.6	73.9	85.2	88.5	94.2	95.3	97.3	99.2	99.5	100.[illegible]

TOTAL NUMBER OF OBSERVATIONS 330

FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

[illegible] DAF UK PERIOD OF RECORD: JUL 76 - JUN 84
MONTH: AUG HOURS: 21-23

CEILING IN METERS	VISIBILITY IN METERS 36 32	30 24	28 20	26 16	22 12	20 10	18 [illegible]	16 06	14 04	00 00
[illegible]	47.1	47.3	47.3	47.5	47.5	47.5	47.5	47.5	47.5	47.5
[illegible]	[illegible]	54.4	54.4	54.5	54.5	54.5	54.5	54.5	54.5	54.5
[illegible]	54.3	54.4	54.4	54.5	54.5	54.5	54.5	54.5	54.5	54.5
[illegible]	54.3	54.4	54.4	54.5	54.5	54.5	54.5	54.5	54.5	54.5
[illegible]	54.2	54.4	54.4	54.5	54.5	54.5	54.5	54.5	54.5	54.5
[illegible]	54.4	54.3	54.9	55.1	55.1	55.1	55.1	55.1	55.1	55.1
[illegible]	56.5	57.0	57.0	57.2	57.2	57.2	57.2	57.2	57.2	57.2
[illegible]	57.5	57.0	57.0	58.2	58.2	58.2	58.2	58.2	58.2	58.2
[illegible]	61.3	61.1	61.1	62.0	62.0	62.0	62.0	62.0	62.0	62.0
[illegible]	62.5	63.1	63.1	63.3	63.3	63.3	63.3	63.3	63.3	63.3
[illegible]	64.9	65.3	65.5	65.7	65.7	65.7	65.7	65.7	65.7	65.7
[illegible]	71.5	72.0	72.0	72.3	72.3	72.3	72.3	72.3	72.3	72.3
[illegible]	77.1	77.3	73.3	73.5	73.5	73.5	73.5	73.5	73.5	73.5
[illegible]	83.3	84.4	84.5	84.7	84.7	84.7	84.7	84.7	84.7	84.7
[illegible]	85.0	85.5	85.7	85.9	85.9	85.9	85.9	85.9	85.9	86.9
[illegible]	89.9	89.3	89.3	90.0	90.0	90.0	90.0	90.0	90.0	90.0
[illegible]	90.9	90.4	90.9	91.0	91.0	91.0	91.0	91.0	91.0	91.0
[illegible]	91.3	91.3	92.2	92.4	92.4	92.4	92.4	92.4	92.4	92.4
[illegible]	91.5	92.0	92.4	92.5	92.5	92.6	92.5	92.5	92.6	92.6
[illegible]	91.9	92.5	92.9	93.0	93.0	93.0	93.0	93.0	93.0	93.0
[illegible]	93.2	93.9	94.2	94.4	94.4	94.4	94.4	94.4	94.4	94.4
[illegible]	94.2	95.2	95.5	95.9	95.9	95.9	95.9	95.9	95.9	95.9
[illegible]	94.5	95.6	95.9	96.3	96.3	96.3	96.3	96.3	96.3	96.3
[illegible]	95.2	96.1	96.5	96.9	96.9	96.9	96.9	96.9	96.9	96.9
[illegible]	95.2	97.2	97.5	98.0	98.0	98.0	98.0	98.0	98.0	98.0
[illegible]	95.7	97.7	98.1	98.5	98.5	98.5	98.5	98.5	98.5	98.5
[illegible]	97.5	99.9	99.2	99.7	99.7	99.7	99.7	99.7	99.7	99.7
[illegible]	97.3	99.1	99.5	99.9	99.9	99.9	99.9	99.9	99.9	99.9
[illegible]	97.3	99.2	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0
[illegible]	97.3	99.2	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0
[illegible]	97.3	99.2	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0
[illegible]	97.3	99.2	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0

OPERATING LOCATION [illegible] PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING
USAFETAC, ASHEVILLE NC [illegible] HOURLY OBSERVATIONS

STATION NUMBER: [illegible] STATION NAME: [illegible]
LST TO UTC: - [illegible]

CEILING IN FEET	VISIBILITY IN [illegible]									
	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
NO CEIL	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	32.3	[illegible]	35.1	[illegible]	[illegible]
GE 20000	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
GE 18000	23.1	[illegible]	[illegible]	[illegible]	35.1	[illegible]	37.1	[illegible]	[illegible]	[illegible]
GE 16000	[illegible]	[illegible]	34.7	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
GE 14000	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
GE 12000	[illegible]	[illegible]	[illegible]	[illegible]	39.1	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
GE 10000	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	43.4	44.1	[illegible]	[illegible]	[illegible]
GE 9000	[illegible]	[illegible]	[illegible]	[illegible]	44.1	44.7	[illegible]	[illegible]	[illegible]	[illegible]
GE 8000	[illegible]	[illegible]	[illegible]	[illegible]	46.4	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
GE 7000	[illegible]	[illegible]	[illegible]	[illegible]	49.7	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
GE 6000	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
GE 5000	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
GE 4500	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
GE 4000	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	71.	[illegible]	[illegible]	[illegible]	[illegible]
GE 3500	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	75.3	[illegible]	77.4	77.	[illegible]
GE 3000	[illegible]	[illegible]	[illegible]	76.1	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
GE 2500	64.3	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
GE 2000	[illegible]	[illegible]	75.5	[illegible]	83.3	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
GE 1800	[illegible]	[illegible]	[illegible]	79.4	83.7	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
GE 1500	[illegible]	[illegible]	[illegible]	81.1	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
GE 1200	[illegible]	[illegible]	77.7	[illegible]	87.2	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
GE 1000	[illegible]	70.1	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
GE 900	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
GE 800	[illegible]	[illegible]	[illegible]	[illegible]	89.3	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
GE 700	[illegible]	[illegible]	81.4	84.7	[illegible]	91.3	[illegible]	[illegible]	[illegible]	[illegible]
GE 600	69.4	[illegible]	81.7	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
GE 500	[illegible]	[illegible]	82.2	[illegible]	91.5	[illegible]	94.7	[illegible]	[illegible]	97.3
GE 400	[illegible]	[illegible]	82.2	85.3	[illegible]	93.3	[illegible]	[illegible]	[illegible]	97.
GE 300	[illegible]	[illegible]	82.2	[illegible]	91.9	93.4	95.1	97.1	[illegible]	[illegible]
GE 200	69.6	[illegible]	82.2	85.3	91.9	93.4	95.1	97.1	97.5	[illegible]
GE 100	[illegible]	71.0	82.2	85.5	91.9	93.4	95.2	97.2	97.6	[illegible]
GE 000	69.5	71.0	82.2	85.6	91.9	93.4	95.2	97.2	97.7	[illegible]

TOTAL NUMBER OF OBSERVATIONS 7440

FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

[illegible] AFB [illegible] PERIOD OF RECORD: JUL 74 - JUN 83
MONTH: ALL HOURS: ALL

CEILING IN HUNDREDS										
	22	20	18	16	14	12	10	08	06	04	00
	22	20	18	16	14	12	10	08	06	04	00
[illegible]	[illegible]	33.1	33.3	33.5	33.6	33.6	33.7	33.7	33.8	33.8	33.9
[illegible]	33.[illegible]	33.5	33.7	40.0	40.2	40.2	40.3	40.4	40.4	40.6
[illegible]	33.1	33.7	33.[illegible]	40.1	40.3	40.3	40.4	40.5	40.5	40.7
[illegible]	33.1	33.7	33.[illegible]	40.1	40.3	40.4	40.5	40.5	40.5	40.8
[illegible]	33.[illegible]	33.[illegible]	40.1	40.4	40.5	40.6	40.7	40.7	40.8	41.0
[illegible]	40.1	40.7	40.[illegible]	41.2	41.4	41.4	41.5	41.6	41.6	41.8
[illegible]	44.1	44.3	45.1	45.4	45.5	45.6	45.6	45.7	45.8	45.9
[illegible]	44.3	44.1	46.3	46.5	46.7	46.8	46.9	47.0	47.0	47.2
[illegible]	49.[illegible]	50.5	[illegible]	51.2	51.3	51.4	51.5	51.6	51.7	51.9
[illegible]	51.2	52.1	[illegible]	52.7	52.8	52.9	53.0	53.2	53.2	53.4
[illegible]	[illegible]	53.[illegible]	54.2	54.5	54.7	54.8	54.9	55.0	55.1	55.2
[illegible]	[illegible]	50.[illegible]	51.2	51.5	51.7	51.8	51.9	52.0	52.1	52.2
[illegible]	[illegible]	56.4	56.7	57.1	57.2	57.3	57.4	57.5	57.5	57.7
[illegible]	72.[illegible]	73.2	74.2	74.7	74.8	74.9	75.1	75.1	75.2	75.4
[illegible]	75.3	77.4	77.[illegible]	78.1	78.3	78.4	78.5	78.5	78.6	78.9
[illegible]	81.[illegible]	82.3	82.7	83.1	83.3	83.4	83.5	83.6	83.7	83.9
[illegible]	[illegible]	84.2	84.5	84.9	85.1	85.2	85.3	85.4	85.5	85.7
[illegible]	[illegible]	86.[illegible]	87.2	87.4	87.5	87.7	87.8	87.9	88.0	88.2
[illegible]	86.2	87.1	87.4	87.[illegible]	88.1	88.1	88.2	88.3	88.5	88.6
[illegible]	87.2	88.1	89.[illegible]	89.[illegible]	90.1	90.2	90.3	90.4	90.5	90.7
[illegible]	[illegible]	90.2	91.2	91.7	92.0	92.0	92.1	92.3	92.4	92.5
93.4	91.7	92.2	92.[illegible]	93.[illegible]	93.3	93.4	93.5	93.7	93.8	94.0
[illegible]	91.2	92.7	93.1	93.5	93.[illegible]	93.9	94.0	94.1	94.2	94.4
[illegible]	91.[illegible]	93.4	93.9	94.2	94.6	94.7	94.8	94.9	95.1	95.2
1.[illegible]	93.[illegible]	94.3	94.[illegible]	95.2	95.5	95.6	95.7	95.8	95.9	96.1
[illegible]	93.4	94.2	95.4	95.8	96.1	96.2	96.3	96.5	96.6	96.8
[illegible]	94.7	96.4	96.8	97.3	97.7	97.8	97.9	98.0	98.2	98.4
[illegible]	95.[illegible]	96.8	97.3	97.[illegible]	98.2	98.3	98.4	98.5	98.6	98.7
[illegible]	95.1	97.1	97.6	98.1	98.6	98.7	98.9	99.0	99.2	99.5
[illegible]	95.1	97.1	97.6	98.2	98.6	98.8	99.0	99.2	99.4	99.8
[illegible]	95.2	97.2	97.6	98.2	98.6	98.8	99.0	99.2	99.4	99.9
[illegible]	95.2	97.2	97.7	98.2	98.7	98.8	99.0	99.2	99.5	100.0

[illegible]

STATION [illegible] STATION NAME: [illegible]

VISIBILITY IN [illegible]

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	43.1	45.3	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	51.4	51.7	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	54.1	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	55.1	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	57.1	53.4	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	57.1	[illegible]	61.1	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	71.7	72.1	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	73.	74.4	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	71.1	[illegible]	75.7	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	77.7	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	74.3	79.1	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	74.	77.	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	81.7	[illegible]	89.3	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	89.7	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	87.1	[illegible]	73.4	82.3	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	87.1	[illegible]	73.4	82.4	[illegible]	90.7	93.1	[illegible]	[illegible]	[illegible]
[illegible]	87.1	[illegible]	73.4	82.4	[illegible]	90.7	93.3	[illegible]	[illegible]	[illegible]
[illegible]	87.1	[illegible]	73.4	82.4	[illegible]	90.7	93.3	[illegible]	[illegible]	[illegible]
[illegible]	87.1	[illegible]	73.4	82.4	[illegible]	90.7	93.3	[illegible]	[illegible]	[illegible]
[illegible]	87.1	[illegible]	73.4	82.4	[illegible]	90.7	93.3	95.	97.2	[illegible]

[illegible]

[illegible] FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
[illegible] HOURLY OBSERVATIONS

[illegible] YEARS [illegible] JK PERIOD OF RECORD: JUL 73 - JUN [illegible]
MONTH: SEP HOURS: 00-02

VISIBILITY IN METERS										
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	47.2	[illegible]	[illegible]	[illegible]	[illegible]	49.0	49.1	49.3	49.3	49.3
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	53.0	53.2	53.2	53.2
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	53.0	53.2	53.2	53.2
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	53.0	53.2	53.2	53.2
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	53.0	53.1	53.2	53.4	53.4	53.4
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	54.7	54.7	54.7
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	57.0	57.2	57.2	57.2
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	58.2	58.2
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	62.4	62.4	62.4
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	63.0	63.0	63.0
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	64.4	64.4	64.4
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	68.4
[illegible]	71.3	71.3	[illegible]	72.3	72.3	72.4	72.5	72.4	72.4	72.4
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	76.0	76.0
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	78.6
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	80.9
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	83.1	83.1
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	85.3
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	89.6
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	90.7
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	91.1
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	93.6
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	94.9
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	96.0
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	97.2
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	97.9
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	98.4
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	99.2
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	100.0
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	100.0

OPERATIONS LOCATION "A"
USAFETAC, HUNTSVILLE, AL

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING
AND/OR VISIBILITY OBSERVATIONS

STATION NUMBER: 93893 STATION NAME: UPPER BEAVER, PA
LST TO UTC: - 5 YEARS: 5

CEILING IN FEET	VISIBILITY IN METERS									
	10	7	5	3	2	1	0	5	2	1
	112	[illegible]	[illegible]	53	[illegible]	40	32	24	[illegible]	15
CEIL	[illegible]	[illegible]	33.0	34.4	37.4	37.7	[illegible]	[illegible]	[illegible]	[illegible]
20000	[illegible]	[illegible]	35.[illegible]	36.9	40.2	40.4	[illegible]	[illegible]	[illegible]	[illegible]
15000	[illegible]	[illegible]	35.2	[illegible]	40.2	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
14000	[illegible]	[illegible]	35.2	[illegible]	40.4	41.[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
13000	[illegible]	[illegible]	35.6	37.2	40.6	40.[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
12000	31.1	31.3	36.4	38.1	41.4	41.7	43.0	44.1	[illegible]	[illegible]
11000	[illegible]	[illegible]	38.[illegible]	[illegible]	43.6	43.[illegible]	45.1	46.2	[illegible]	[illegible]
10000	[illegible]	38.1	[illegible]	40.8	44.[illegible]	44.2	[illegible]	46.7	[illegible]	[illegible]
9000	[illegible]	[illegible]	[illegible]	42.1	44.[illegible]	[illegible]	40.[illegible]	[illegible]	[illegible]	[illegible]
8000	[illegible]	[illegible]	42.7	42.7	44.9	43.7	[illegible]	[illegible]	[illegible]	[illegible]
7000	37.3	[illegible]	43.2	45.4	47.[illegible]	49.4	[illegible]	52.4	[illegible]	[illegible]
6000	[illegible]	[illegible]	[illegible]	47.1	[illegible]	53.7	[illegible]	[illegible]	[illegible]	[illegible]
5000	[illegible]	[illegible]	[illegible]	51.5	53.[illegible]	[illegible]	[illegible]	51.[illegible]	[illegible]	[illegible]
4000	[illegible]	[illegible]	[illegible]	55.1	[illegible]	53.4	53.7	[illegible]	[illegible]	[illegible]
3000	[illegible]	[illegible]	[illegible]	57.3	[illegible]	55.1	55.7	[illegible]	[illegible]	[illegible]
2500	[illegible]	[illegible]	[illegible]	[illegible]	57.1	57.5	[illegible]	70.0	[illegible]	[illegible]
2000	1.4	[illegible]	[illegible]	52.[illegible]	[illegible]	[illegible]	71.0	73.2	74.1	75.1
1800	[illegible]	3.4	[illegible]	[illegible]	70.3	70.9	72.7	[illegible]	[illegible]	[illegible]
1500	[illegible]	[illegible]	[illegible]	[illegible]	70.2	71.1	72.9	75.1	[illegible]	77.1
1200	[illegible]	[illegible]	[illegible]	[illegible]	72.4	73.5	[illegible]	77.4	[illegible]	[illegible]
1000	[illegible]	[illegible]	55.7	[illegible]	74.5	75.4	77.4	[illegible]	[illegible]	[illegible]
800	[illegible]	[illegible]	[illegible]	55.[illegible]	59.1	75.[illegible]	75.0	[illegible]	[illegible]	[illegible]
700	[illegible]	57.1	[illegible]	55.[illegible]	59.[illegible]	75.7	77.7	[illegible]	[illegible]	[illegible]
600	[illegible]	[illegible]	[illegible]	[illegible]	71.1	73.3	[illegible]	[illegible]	[illegible]	[illegible]
500	[illegible]	[illegible]	[illegible]	59.1	72.1	73.3	[illegible]	[illegible]	[illegible]	[illegible]
400	[illegible]	[illegible]	[illegible]	59.3	72.7	80.0	[illegible]	84.1	[illegible]	[illegible]
300	[illegible]	[illegible]	[illegible]	69.[illegible]	73.1	81.2	82.4	[illegible]	[illegible]	[illegible]
200	[illegible]	[illegible]	[illegible]	70.0	73.[illegible]	82.0	83.3	[illegible]	[illegible]	[illegible]
150	[illegible]	[illegible]	[illegible]	70.1	74.0	82.[illegible]	84.1	87.7	81.2	[illegible]
100	[illegible]	[illegible]	70.1	70.1	74.0	82.[illegible]	84.1	87.7	81.2	[illegible]
50	[illegible]	[illegible]	70.1	70.1	74.0	82.8	84.1	87.7	81.2	82.8	84.3
0	100	[illegible]	70.1	70.1	74.0	82.8	84.1	87.7	81.2	82.8	84.3

TOTAL NUMBER OF OBSERVATIONS 900

[illegible] - 2 - 74

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

[illegible]: UPPER BEYEDR, [illegible] PERIOD OF RECORD: JUL 73 - JUN 75
[illegible]: - 0 MONTH: SEP HOURS: 03-05

	VISIBILITY IN METERS											
	3F	3E	3B	3C	3D	0F	0E	0B	0C	0D	0B	0C
	40	40	32	24	20	16	12	10	08	06	04	00
.	37.4	37.7	38.2	39.0	40.4	41.3	41.4	42.0	42.0	42.3	42.9	43.4
.	40.2	40.4	41.4	42.9	43.4	44.4	44.6	45.2	45.3	45.7	46.2	47.0
.	40.2	40.4	41.4	42.9	43.4	44.4	44.6	45.2	45.3	45.7	46.2	47.0
.	40.2	40.4	41.4	42.9	43.4	44.4	44.6	45.2	45.3	45.7	46.2	47.0
	40.6	40.8	42.1	43.2	43.7	44.8	44.9	45.6	45.7	46.0	46.6	47.3
.	41.4	41.7	43.0	44.1	44.7	45.7	45.9	46.4	46.6	46.9	47.4	48.2
.	43.6	43.9	45.1	46.2	46.8	47.8	47.9	48.6	48.7	49.2	49.9	50.6
.	44.0	44.2	45.5	46.7	47.2	48.2	48.3	49.0	49.1	49.7	50.2	51.0
	47.0	49.1	49.6	50.3	51.2	52.3	52.4	53.1	53.2	53.3	54.3	55.1
.	48.7	48.9	50.3	51.6	52.1	53.1	53.2	53.9	54.0	54.6	55.1	55.9
.	49.2	49.4	51.1	52.4	53.0	54.0	54.1	54.8	54.9	55.4	56.0	56.9
.	53.4	53.7	55.8	56.8	57.3	58.3	58.4	59.1	59.2	59.9	60.4	61.1
.	53.6	54.6	56.4	61.9	62.4	63.4	63.6	64.2	64.3	64.9	65.4	66.2
.	63.4	63.9	65.6	67.7	68.4	69.4	69.6	70.2	70.3	70.9	71.4	72.2
.	66.1	66.7	67.3	69.4	70.2	71.2	71.6	72.0	72.1	72.7	73.2	74.0
.	67.6	68.2	70.0	72.2	73.0	74.0	74.1	74.6	74.9	75.4	76.0	76.8
.	68.8	69.2	71.0	73.2	74.1	75.1	75.2	75.9	76.0	76.6	77.1	77.9
.	70.0	70.9	72.7	74.9	75.9	76.9	77.0	77.7	77.8	78.3	78.9	79.7
	70.2	71.1	72.9	75.1	76.0	77.1	77.2	77.9	78.0	78.6	79.1	79.9
.	72.4	73.3	75.2	77.4	78.4	79.5	79.7	80.3	80.4	81.0	81.6	82.3
.	74.6	75.4	77.4	79.6	80.6	81.9	82.0	82.7	82.8	83.3	83.9	84.7
.	75.0	75.9	79.1	81.5	82.5	83.7	83.8	84.4	84.5	85.1	85.7	86.4
	75.7	77.7	80.0	82.4	83.4	84.6	84.7	85.3	85.4	86.0	86.6	87.3
.	78.3	79.4	82.1	84.7	85.7	86.8	86.9	87.6	87.7	88.2	88.8	89.6
.	78.3	80.4	83.2	85.8	86.8	88.0	88.1	88.8	88.9	89.4	90.0	90.8
.	80.0	81.2	84.1	86.8	88.0	89.2	89.6	90.2	90.3	90.9	91.4	92.2
.	81.2	82.4	85.8	89.1	90.3	91.6	91.9	92.6	92.7	93.2	93.8	94.6
.	82.0	83.3	86.7	90.2	91.7	93.1	93.6	94.2	94.7	95.2	95.8	96.6
.	82.8	84.1	87.7	91.2	92.8	94.2	94.9	95.7	96.1	96.9	97.9	98.7
.	82.8	84.1	87.7	91.2	92.9	94.3	95.0	95.9	96.3	97.1	98.2	99.0
	82.8	84.1	87.7	91.2	92.9	94.3	95.2	96.1	96.6	97.3	98.6	99.9
	82.8	84.1	87.7	91.2	92.9	94.3	95.2	96.1	96.6	97.3	98.6	100.0

OPERATING LOCATION MAP
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEIL
FROM HOURLY OBSERVATIONS

STATION NUMBER: 35553 STATION NAME: UPPER HEYFORD RAF UK
LST TO UTC: - 0

CEILING IN FEET	VISIBILITY IN METERS 11	9	8	7	6	5	4	3	2	1
0 CEIL	14.0	14.0	22.0	23.0	25.3	26.0	27.4	29.3	29.7	31.0
37 [illegible]	22.0	23.0	23.1	29.0	32.7	33.2	34.0	36.7	37.3	37.0
36 [illegible]	23.0	23.3	24.6	30.3	33.1	33.7	34.4	37.1	37.4	38.7
35 [illegible]	23.0	23.6	24.6	30.3	33.1	33.7	34.4	37.1	37.4	38.4
34 [illegible]	23.4	23.6	29.0	30.6	33.3	33.9	34.7	37.3	37.7	39.0
33 [illegible]	24.0	24.1	29.4	31.3	34.1	34.7	35.4	38.1	38.4	39.3
32 [illegible]	26.0	27.0	32.7	34.7	37.5	38.0	39.5	42.3	42.7	43.0
31 [illegible]	30.1	34.3	34.1	35.1	37.2	40.0	41.0	43.	44.1	44.7
30 [illegible]	31.7	32.9	37.2	39.9	43.1	44.0	45.0	47.0	48.1	49.
29 [illegible]	31.6	31.7	38.0	41.0	44.2	45.1	46.1	48.0	49.2	50.1
28 [illegible]	32.4	32.7	39.2	42.7	45.3	46.4	47.5	50.3	51.7	51.0
27 [illegible]	38.3	39.0	48.0	47.3	50.3	52.7	53.4	56.0	56.4	57.0
26 [illegible]	38.0	39.0	47.3	50.5	54.5	55.9	57.1	60.4	61.1	62.1
25 [illegible]	41.0	42.0	50.7	54.1	54.0	59.5	60.4	64.0	65.3	66.5
24 [illegible]	43.0	43.3	52.3	55.0	57.7	61.2	62.7	66.4	67.2	68.0
23 [illegible]	44.7	44.9	54.3	57.9	62.2	63.7	65.1	69.0	69.0	71.0
22 [illegible]	45.0	45.	55.3	59.0	63.3	64.8	66.3	70.0	71.0	73.0
21 [illegible]	45.1	45.3	55.6	60.4	65.3	66.9	68.7	73.0	74.0	75.4
20 [illegible]	46.0	46.4	56.4	60.7	65.5	67.1	69.9	73.0	74.0	75.7
19 [illegible]	46.0	46.9	57.3	61.2	66.2	67.8	69.6	73.9	74.0	76.3
18 [illegible]	47.4	47.7	58.4	62.6	67.7	69.4	71.2	75.7	76.4	77.0
17 [illegible]	47.7	47.9	59.6	63.3	69.2	71.1	72.9	77.4	78.0	79.1
16 [illegible]	48.0	48.2	60.3	64.9	70.4	72.4	74.3	78.9	80.0	1.
15 [illegible]	48.7	49.3	61.1	65.6	71.2	73.3	75.3	80.0	81.1	2.7
10 [illegible]	49.0	49.2	61.9	66.4	72.3	74.9	77.0	82.0	83.3	5.7
5 [illegible]	49.2	49.4	62.6	67.3	73.4	75.0	78.1	83.0	84.6	89.3
2 [illegible]	49.4	49.7	62.9	67.3	74.5	77.1	79.3	84.0	85.4	90.3
1 [illegible]	49.4	49.7	63.0	68.0	75.2	77.9	80.2	85.0	86.0	90.1
0 [illegible]	[illegible]	49.7	63.0	68.1	75.7	78.3	80.7	85.9	86.0	91.
99 [illegible]	49.4	49.7	63.0	68.2	75.8	78.4	80.8	87.0	88.0	91.1
100	49.4	49.7	63.0	68.2	75.8	78.4	80.8	87.0	88.0	91.1

TOTAL NUMBER OF OBSERVATIONS 900

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PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

NAME: UPPER HEYFORD RAF UK PERIOD OF RECORD: JUL 73 - JUN 84
LAT: - 0 MONTH: SEP HOURS: 06-08

	VISIBILITY IN METERS											
	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
[illegible]	25.3	26.2	27.4	29.3	29.7	30.4	31.3	32.0	32.0	32.0	32.6	33.3
[illegible]	32.7	33.2	34.0	35.7	37.0	37.0	38.8	39.6	39.6	39.8	40.3	41.2
[illegible]	33.1	33.7	34.4	37.1	37.4	38.3	39.3	40.1	40.1	40.3	40.9	41.5
[illegible]	33.1	33.7	34.4	37.1	37.4	38.3	39.3	40.1	40.1	40.3	40.9	41.8
[illegible]	33.3	33.9	34.7	37.3	37.7	38.6	39.6	40.3	40.3	40.6	41.1	42.0
[illegible]	34.1	34.7	35.4	38.1	38.4	39.3	40.3	41.1	41.1	41.3	41.9	42.8
[illegible]	37.5	38.5	39.6	42.3	42.7	43.6	44.6	45.6	45.6	45.8	46.3	47.4
[illegible]	39.2	40.0	41.0	43.8	44.1	45.0	46.2	47.0	47.0	47.2	47.8	48.9
[illegible]	43.1	44.0	45.0	47.8	48.1	49.0	50.3	51.1	51.1	51.4	52.0	53.1
[illegible]	44.2	45.1	46.1	48.9	49.2	50.1	51.4	52.2	52.2	52.6	53.1	54.2
[illegible]	45.3	46.4	47.6	50.3	50.7	51.6	52.9	53.7	53.7	54.0	54.5	55.7
[illegible]	50.2	52.2	53.4	55.1	56.9	57.9	59.3	60.1	60.1	60.4	61.0	62.1
[illegible]	54.5	55.9	57.1	60.4	61.1	62.1	63.7	64.5	64.5	65.0	65.6	66.7
[illegible]	54.2	59.6	60.9	64.6	65.3	66.5	68.2	69.1	69.1	69.6	70.1	71.3
[illegible]	50.9	61.2	62.7	66.4	67.2	68.5	70.2	71.1	71.1	71.6	72.1	73.3
[illegible]	62.2	63.7	65.1	68.9	69.8	71.2	72.9	73.8	73.8	74.2	74.8	76.0
[illegible]	63.3	64.8	66.3	70.5	71.5	73.0	74.7	75.6	75.6	76.0	76.6	77.8
[illegible]	65.3	66.9	68.7	73.0	74.0	75.4	77.1	78.0	78.0	78.4	79.0	80.2
[illegible]	65.5	67.1	68.9	73.2	74.2	75.7	77.3	78.2	78.2	78.7	79.2	80.4
[illegible]	66.2	67.8	69.6	73.9	74.9	76.3	78.0	78.9	78.9	79.3	79.9	81.1
[illegible]	67.7	69.4	71.2	75.7	76.8	78.2	79.9	80.8	80.8	81.2	81.8	83.0
[illegible]	69.2	71.1	72.9	77.4	78.6	80.1	81.9	82.5	82.5	83.2	83.8	85.0
[illegible]	70.4	72.4	74.3	78.9	80.0	81.5	83.3	84.2	84.2	84.7	85.2	86.4
[illegible]	71.2	73.3	75.3	80.0	81.1	82.7	84.4	85.3	85.3	85.8	86.3	87.5
[illegible]	72.3	74.9	77.0	82.0	83.3	85.0	86.9	87.8	87.8	88.2	88.8	90.0
[illegible]	73.4	75.9	78.1	83.2	84.6	86.3	88.3	89.2	89.3	89.9	90.4	91.7
[illegible]	74.5	77.1	79.3	84.6	86.4	88.3	90.3	91.2	91.3	91.9	92.4	93.7
[illegible]	75.2	77.9	80.2	86.2	88.0	90.1	92.1	93.0	93.1	93.9	94.4	95.7
[illegible]	75.7	78.3	80.7	86.9	88.8	91.0	93.4	94.7	94.8	95.7	96.2	97.4
[illegible]	75.8	78.4	80.8	87.0	88.9	91.1	93.9	95.2	95.3	96.6	97.4	99.3
[illegible]	75.8	78.4	80.8	87.0	88.9	91.1	93.9	95.2	95.4	96.7	97.6	100.0
[illegible]	75.8	78.4	80.8	87.0	88.9	91.1	93.9	95.2	95.4	96.7	97.6	100.0

OPERATING LOCATION MAP
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEIL
FROM HOURLY OBSERVATIONS

STATION NUMBER: [illegible] STATION NAME: UPPER HEYFORD [illegible] PERIOD
LST TO UTC: - 0 MONTH: [illegible]

CEILING IN FEET	VISIBILITY IN METERS [illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	11?	[illegible]	[illegible]	50	[illegible]	40	32	[illegible]	[illegible]	16
NO CEIL	24.9	24.2	25.4	27.1	27.5	29.9	29.4	30.9	30.1	[illegible]
GE 20000	32.7	33.2	35.0	37.1	38.8	38.9	39.5	40.1	40.2	40.4
GE 18000	32.	33.3	35.1	37.2	38.9	39.0	39.7	40.2	40.3	40.5
GE 16000	32.4	33.5	35.1	37.2	38.9	39.0	39.7	40.2	40.3	40.5
GE 14000	32.4	33.5	35.1	37.2	38.9	39.0	39.7	40.2	40.3	40.5
GE 12000	33.7	34.3	37.1	39.2	39.9	40.0	40.7	41.2	41.3	41.5
GE 10000	36.5	37.8	40.9	42.6	44.0	44.2	44.9	45.4	45.5	[illegible]
GE 9000	37.4	38.7	42.2	43.3	45.5	45.9	46.5	47.1	47.2	47.5
GE 8000	42.1	43.5	46.9	48.2	50.5	51.0	51.7	52.2	52.3	52.7
GE 7000	42.7	43.5	47.7	49.2	51.0	52.0	52.4	53.0	53.4	[illegible]
GE 6000	43.2	44.1	48.3	49.9	52.4	52.9	53.7	54.2	54.5	54.7
GE 5000	46.9	48.2	51.7	53.4	56.9	57.7	[illegible]	59.3	59.4	[illegible]
GE 4500	47.5	48.2	53.2	55.3	58.9	59.9	61.3	61.5	61.1	[illegible]
GE 4000	50.1	51.4	57.1	59.4	63.2	64.3	65.5	66.3	66.5	67.5
GE 3500	53.9	55.2	61.7	64.1	68.9	69.1	70.4	71.2	71.4	71.9
GE 3000	59.5	61.9	67.9	70.4	74.4	75.5	76.9	77.7	77.9	[illegible]
GE 2500	61.2	62.7	70.1	72.7	76.8	77.9	79.2	80.3	80.5	80.7
GE 2000	62.4	63.9	71.7	74.5	79.1	80.3	81.7	82.5	82.9	83.
GE 1500	63.1	64.6	72.3	75.2	79.9	81.1	82.5	83.4	83.7	84.1
GE 1000	64.5	66.0	74.3	77.3	82.2	83.4	85.0	85.9	86.1	85.5
GE 1200	66.9	67.4	76.9	79.1	84.3	86.9	87.5	88.5	88.9	89.9
GE 1100	67.1	68.5	77.8	81.0	86.6	88.2	90.9	91.1	91.4	91.9
GE 1000	67.4	68.5	78.0	81.3	86.9	88.6	90.3	91.4	91.7	92.2
GE 900	67.9	69.4	79.3	82.4	88.1	89.8	91.5	93.0	93.3	93.9
GE 800	68.1	69.7	79.2	82.7	88.7	90.3	92.7	94.3	94.7	95.1
GE 700	68.2	69.9	79.3	82.8	88.9	90.6	93.0	94.9	95.3	95.9
GE 600	68.3	69.9	79.4	82.9	89.1	91.1	93.7	95.7	96.4	97.2
GE 500	68.3	69.9	79.4	82.9	89.1	91.3	94.1	96.3	97.2	98.7
GE 400	68.3	69.9	79.4	82.9	89.1	91.3	94.1	96.4	97.4	98.9
GE 300	68.3	69.9	79.4	82.9	89.1	91.3	94.1	96.4	97.4	98.2
GE 200	68.3	69.9	79.4	82.9	89.1	91.3	94.1	96.4	97.4	98.2
GE 100	68.3	69.9	79.4	82.9	89.1	91.3	94.1	96.4	97.4	98.2
GE 000	68.3	69.9	79.4	82.9	89.1	91.3	94.1	96.4	97.4	98.2

TOTAL NUMBER OF OBSERVATIONS 800

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PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

: UPPER HEYFORD RAF UK — PERIOD OF RECORD: JUL 73 - JUN 88
: - 0 — MONTH: SEP HOURS: 09-11

VISIBILITY IN METERS											
GE 44	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
28.5	28.9	29.4	30.0	30.1	30.3	30.3	30.3	30.3	30.4	30.6	30.6
38.8	38.9	39.6	40.1	40.2	40.4	40.4	40.4	40.4	40.6	40.7	40.7
38.9	39.0	39.7	40.2	40.3	40.6	40.6	40.6	40.6	40.7	40.8	40.8
38.9	39.0	39.7	40.2	40.3	40.6	40.6	40.6	40.6	40.7	40.8	40.8
38.9	39.0	39.7	40.2	40.3	40.6	40.6	40.6	40.6	40.7	40.8	40.8
38.9	40.0	40.7	41.2	41.3	41.6	41.6	41.6	41.6	41.7	41.8	41.8
44.0	44.2	44.9	45.4	45.6	45.8	45.8	45.8	45.8	45.9	46.0	46.0
45.6	45.9	46.6	47.1	47.2	47.6	47.6	47.6	47.6	47.7	47.8	47.8
50.6	51.0	51.7	52.2	52.3	52.7	52.7	52.7	52.7	52.8	52.9	52.9
51.0	52.0	52.8	53.3	53.4	53.8	53.8	53.8	53.8	53.9	54.0	54.0
51.4	52.9	53.7	54.2	54.3	54.7	54.7	54.7	54.7	54.8	54.9	54.9
56.9	57.7	58.8	59.3	59.4	59.9	59.9	59.9	59.9	60.0	60.1	60.1
58.9	59.9	61.0	61.6	61.8	62.2	62.2	62.2	62.2	62.3	62.4	62.4
63.2	64.3	66.6	66.3	66.6	67.0	67.0	67.1	67.1	67.2	67.3	67.3
68.0	69.1	70.4	71.2	71.4	71.9	71.9	72.0	72.0	72.1	72.2	72.2
75.4	75.6	76.9	77.7	77.9	78.3	78.3	78.4	78.4	78.6	78.7	78.7
75.8	77.9	79.2	80.0	80.2	80.7	80.7	80.8	80.8	80.9	81.0	81.0
79.1	80.3	81.7	82.6	82.8	83.2	83.2	83.3	83.3	83.4	83.6	83.6
79.9	81.1	82.6	83.4	83.7	84.1	84.1	84.2	84.2	84.3	84.4	84.4
82.2	83.4	85.0	85.9	86.1	86.6	86.9	87.0	87.0	87.1	87.2	87.2
84.3	86.0	87.6	88.5	88.9	89.2	89.6	89.7	89.7	89.8	89.9	89.9
85.6	88.2	90.0	91.1	91.4	91.9	92.2	92.3	92.3	92.4	92.6	92.6
85.9	88.6	90.3	91.4	91.8	92.2	92.6	92.7	92.7	92.8	92.9	92.9
86.1	89.3	91.8	93.0	93.3	93.9	94.1	94.2	94.2	94.3	94.4	94.4
86.7	90.3	92.7	94.3	94.7	95.1	95.4	95.5	95.5	95.7	95.8	95.8
88.9	90.6	93.0	94.9	95.3	95.9	96.2	96.3	96.3	96.4	96.6	96.6
89.1	91.1	93.7	95.7	96.4	97.2	97.5	97.9	97.9	98.0	98.1	98.1
89.1	91.3	94.1	95.3	97.2	98.0	98.7	98.8	98.9	99.0	99.1	99.1
89.1	91.3	94.1	96.4	97.4	98.2	99.0	99.1	99.4	99.6	99.7	99.7
89.1	91.3	94.1	96.4	97.4	98.2	99.0	99.1	99.4	99.7	100.0	100.0
89.1	91.3	94.1	96.4	97.4	98.2	99.0	99.1	99.4	99.7	100.0	100.0
89.1	91.3	94.1	96.4	97.4	98.2	99.0	99.1	99.4	99.7	100.0	100.0

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE, NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILI
FROM HOURLY OBSERVATIONS

STATION NUMBER: 3[illegible]3 STATION NAME: UPPER [illegible] KAP [illegible] PERIOD OF
LST TO UTC: - 0 MONTH: [illegible]

CEILING IN FEET	VISIBILITY IN METERS									
	GE 112	GE 96	GE 80	GE 50	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16
NO CEIL	19.[illegible]	20.3	21.4	22.0	23.2	23.2	23.4	23.9	23.9	23.9
GE 20000	29.2	32.3	31.3	32.3	33.5	33.9	34.1	34.5	34.5	34.5
GE 18000	29.3	30.1	31.9	32.4	33.7	34.0	34.2	34.7	34.7	34.7
GE 16000	29.3	30.1	31.9	32.4	33.7	34.0	34.2	34.7	34.7	34.7
GE 14000	29.4	30.3	32.1	32.7	33.9	34.2	34.4	34.9	34.9	34.9
GE 12000	30.4	31.3	33.1	33.7	34.9	35.2	35.4	35.9	35.9	35.9
GE 10000	33.[illegible]	34.[illegible]	36.7	37.2	38.9	39.4	39.7	40.1	40.1	40.1
GE 9000	35.1	36.2	38.1	38.7	40.4	41.0	41.2	41.7	41.7	41.7
GE 8000	37.9	40.5	41.9	42.5	44.3	45.1	45.3	45.[illegible]	45.[illegible]	45.[illegible]
GE 7000	39.3	42.4	42.4	43.2	45.0	45.8	46.0	46.4	46.4	46.4
GE 6000	39.9	41.0	43.4	44.2	46.0	46.9	47.0	47.4	47.4	47.4
GE 5000	44.9	46.1	49.0	50.1	52.3	53.2	53.5	54.1	54.1	54.1
GE 4500	48.0	49.2	52.2	53.5	55.9	56.7	57.0	57.5	57.5	57.5
GE 4000	57.4	[illegible].7	62.5	64.2	66.4	67.3	67.7	68.2	68.2	68.2
GE 3500	65.1	66.5	71.0	72.9	75.2	76.1	76.4	77.3	77.3	77.[illegible]
GE 3000	73.3	75.[illegible]	77.7	81.7	84.0	84.9	85.2	85.[illegible]	85.[illegible]	85.[illegible]
GE 2500	76.4	77.3	82.2	84.3	85.9	87.[illegible]	88.1	88.7	88.7	88.7
GE 2000	77.1	77.1	84.1	85.3	89.3	90.3	90.[illegible]	91.3	91.3	91.3
GE 1800	77.5	77.5	84.5	85.3	89.3	90.5	91.2	91.[illegible]	91.[illegible]	91.[illegible]
GE 1500	79.5	79.5	85.7	86.1	91.4	92.5	93.1	93.3	93.[illegible]	93.[illegible]
GE 1200	78.7	81.7	87.1	89.5	93.0	94.3	95.0	95.7	95.7	95.[illegible]
GE 1000	80.0	82.0	87.6	90.0	93.7	95.4	96.3	97.0	97.0	97.1
GE 900	80.1	82.1	87.7	90.2	94.0	95.5	96.7	97.3	97.3	97.4
GE 800	80.4	82.4	88.0	90.6	94.6	96.3	97.3	98.0	98.2	98.1
GE 700	80.4	82.4	88.0	90.6	94.7	96.5	97.7	98.3	98.3	98.4
GE 600	80.4	82.4	88.1	90.7	94.8	96.7	97.3	98.4	98.6	98.7
GE 500	80.4	82.4	88.1	90.7	94.8	96.7	97.3	98.5	98.7	99.1
GE 400	80.4	82.4	88.1	90.7	94.8	96.7	97.3	98.7	99.0	99.2
GE 300	80.4	82.4	88.1	90.7	94.8	96.7	97.3	98.8	99.1	99.7
GE 200	80.4	82.4	88.1	90.7	94.8	96.7	97.3	98.8	99.1	99.7
GE 100	80.4	82.4	88.1	90.7	94.8	96.7	97.3	98.8	99.1	99.7
GE 000	80.4	82.4	88.1	90.7	94.8	96.7	97.3	98.8	99.1	99.7

TOTAL NUMBER OF OBSERVATIONS 900

9 - 2 - 77

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STN: UPPER HEYFORD RAF UK — PERIOD OF RECORD: JUL 73 - JUN 83
TC: - 0 — MONTH: SEP HOURS: 12-14

VISIBILITY IN METERS											
GE 50	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
23.2	23.2	23.4	23.9	23.9	23.9	23.9	23.9	23.9	23.9	23.9	23.9
33.5	33.9	34.1	34.6	34.6	34.6	34.6	34.6	34.6	34.6	34.6	34.6
33.7	34.0	34.2	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7
33.7	34.0	34.2	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7
33.9	34.2	34.4	34.9	34.9	34.9	34.9	34.9	34.9	34.9	34.9	34.9
34.9	35.2	35.4	35.9	35.9	35.9	35.9	35.9	35.9	35.9	35.9	35.9
39.9	39.4	39.7	40.1	40.1	40.1	40.1	40.1	40.1	40.1	40.1	40.1
40.9	41.0	41.2	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7
44.3	45.1	45.3	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8
45.0	45.8	46.0	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4
45.0	46.8	47.0	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4
52.3	53.2	53.6	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1
55.2	56.7	57.0	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6
56.4	57.3	57.7	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2
75.2	75.1	75.4	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0
84.0	84.9	85.2	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
85.9	87.8	88.1	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
89.3	90.3	90.6	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
89.8	90.6	91.2	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8
91.4	92.5	93.1	93.8	93.8	93.9	94.1	94.1	94.1	94.1	94.1	94.1
93.0	94.3	95.0	95.7	95.7	95.8	96.0	96.0	96.0	96.0	96.0	96.0
93.7	95.4	96.3	97.0	97.0	97.1	97.3	97.3	97.3	97.3	97.3	97.3
94.0	95.8	96.7	97.3	97.3	97.4	97.7	97.7	97.7	97.7	97.7	97.7
94.6	96.3	97.3	98.0	98.0	98.1	98.3	98.3	98.3	98.3	98.3	98.3
94.7	96.6	97.7	98.3	98.3	98.4	98.7	98.7	98.7	98.7	98.7	98.7
94.8	96.7	97.8	98.4	98.6	98.7	98.9	98.9	98.9	98.9	98.9	98.9
94.8	96.7	97.8	98.6	98.8	99.1	99.3	99.3	99.4	99.4	99.4	99.4
94.8	96.7	97.8	98.7	98.9	99.2	99.4	99.4	99.6	99.6	99.6	99.6
94.8	96.7	97.8	98.8	99.1	99.7	99.9	99.9	100.0	100.0	100.0	100.0
94.8	96.7	97.8	98.8	99.1	99.7	99.9	99.9	100.0	100.0	100.0	100.0
94.8	96.7	97.8	98.8	99.1	99.7	99.9	99.9	100.0	100.0	100.0	100.0
94.8	96.7	97.8	98.8	99.1	99.7	99.9	99.9	100.0	100.0	100.0	100.0

OPERATING LOCATION WAW
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF C-
FROM HOURLY OBSERVATIONS

STATION NUMBER: 36583 STATION NAME: UPPER HAYFORD RAF UK
LST TO UTC: - 0

CEILING IN FEET	VISIBILITY IN METERS 112	72	63	52	48	40	32	24	20	16
NO CEIL	23.1	23.6	25.2	25.4	27.2	27.2	27.6	27.6	27.6	27.6
30000	33.7	34.1	36.4	37.4	39.4	39.[illegible]	40.2	40.2	40.2	40.2
20000	34.[illegible]	34.4	36.3	37.2	39.3	40.1	40.5	40.5	40.5	40.5
15000	34.[illegible]	34.4	35.3	37.2	39.3	40.1	40.5	40.6	40.6	40.[illegible]
10000	34.[illegible]	34.4	35.3	37.4	39.4	40.1	40.5	40.6	40.5	40.[illegible]
5000	35.7	36.1	38.4	39.4	41.4	41.[illegible]	42.2	42.2	42.2	42.2
4000	39.2	39.[illegible]	42.2	43.3	45.3	45.7	46.1	46.1	46.1	46.1
3000	41.1	41.[illegible]	44.1	45.4	47.[illegible]	48.1	48.5	48.[illegible]	48.5	48.[illegible]
2500	47.4	49.2	49.2	50.5	53.0	53.3	53.3	53.8	53.[illegible]	53.[illegible]
2000	44.1	44.[illegible]	50.1	51.4	53.3	54.2	54.7	54.7	54.7	54.7
1500	47.[illegible]	47.[illegible]	51.4	52.[illegible]	55.2	55.5	56.0	56.0	56.0	56.[illegible]
1000	54.0	54.1	59.1	60.4	63.1	63.5	64.1	64.1	64.1	64.1
800	55.[illegible]	56.[illegible]	59.9	64.3	69.1	69.5	70.1	70.1	70.1	70.1
600	57.7	58.9	74.1	75.[illegible]	78.[illegible]	79.3	79.9	79.9	79.[illegible]	79.[illegible]
500	72.1	74.4	77.0	82.3	83.[illegible]	84.3	84.9	84.9	84.[illegible]	84.[illegible]
400	75.[illegible]	77.6	83.	88.[illegible]	89.9	89.4	90.0	90.[illegible]	90.[illegible]	90.[illegible]
300	75.[illegible]	7[illegible].3	84.7	87.9	90.2	91.0	91.5	91.5	91.5	91.[illegible]
200	77.1	79.5	86.1	88.5	91.9	92.4	93.0	93.6	93.6	93.[illegible]
150	78.3	80.[illegible]	86.3	88.5	92.1	93.2	93.9	93.9	93.[illegible]	93.[illegible]
100	79.[illegible]	80.9	87.2	89.9	93.4	94.7	95.5	95.5	95.5	95.[illegible]
50	79.4	81.2	87.9	90.5	94.3	95.9	97.2	97.2	97.2	97.[illegible]
0	79.6	81.3	88.0	90.7	94.6	96.3	97.7	97.7	97.7	97.[illegible]
900	79.6	81.3	88.0	90.7	94.6	96.3	97.7	97.7	97.7	97.[illegible]
800	79.6	81.3	88.1	90.9	94.[illegible]	96.7	98.2	98.2	98.2	98.[illegible]
700	79.6	81.3	88.1	90.9	95.2	97.1	98.7	98.7	98.7	98.[illegible]
600	79.6	81.3	88.1	90.9	95.2	97.1	98.7	98.7	98.7	98.[illegible]
500	79.6	81.3	88.1	90.9	95.2	97.1	98.7	98.7	98.7	98.[illegible]
400	79.6	81.3	88.1	90.9	95.2	97.1	98.7	98.[illegible]	98.[illegible]	98.[illegible]
300	79.6	81.3	88.1	90.9	95.2	97.1	98.[illegible]	98.9	98.[illegible]	98.[illegible]
200	79.6	81.3	88.1	90.9	95.2	97.1	98.[illegible]	98.9	98.[illegible]	98.1
100	79.6	81.3	88.1	90.9	95.2	97.1	98.[illegible]	98.9	98.[illegible]	98.1
000	79.6	81.3	88.1	90.9	95.2	97.1	98.[illegible]	98.9	98.6	98.1

TOTAL NUMBER OF OBSERVATIONS 900

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

NAME: UPPER HEYFORD RAF UK PERIOD OF RECORD: JUL 74 - JUN 85
ID: - 0 MONTH: SEP HOURS: 15-17

VISIBILITY IN METERS											
GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
27.2	27.2	27.6	27.6	27.6	27.6	27.6	27.6	27.6	27.6	27.6	27.6
39.4	39.4	40.2	40.2	40.2	40.2	40.2	40.2	40.2	40.2	40.2	40.2
39.8	40.1	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6
39.8	40.1	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6
39.8	40.1	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6
41.4	41.9	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2
45.3	45.7	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1
47.6	48.1	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6
53.0	53.3	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8
53.9	54.2	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7
55.2	55.5	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0
63.1	63.5	64.1	64.1	64.1	64.1	64.3	64.3	64.3	64.3	64.3	64.3
69.1	69.5	70.1	70.1	70.1	70.1	70.3	70.3	70.3	70.3	70.3	70.3
77.0	79.3	79.9	79.9	79.9	79.9	80.1	80.1	80.1	80.1	80.1	80.1
83.3	84.3	84.9	84.9	84.9	84.9	85.1	85.1	85.1	85.1	85.1	85.1
89.9	89.4	90.0	90.0	90.0	90.0	90.2	90.2	90.2	90.2	90.2	90.2
90.2	91.0	91.6	91.6	91.6	91.6	91.8	91.8	91.8	91.8	91.8	91.8
91.9	92.4	93.6	93.6	93.6	93.6	93.8	93.8	93.8	93.8	93.8	93.8
92.1	93.2	93.9	93.9	93.9	93.9	94.1	94.1	94.1	94.1	94.1	94.1
93.4	94.7	95.6	95.6	95.6	95.6	95.8	95.8	95.8	95.8	95.8	95.8
94.3	95.9	97.2	97.2	97.2	97.3	97.6	97.6	97.6	97.6	97.6	97.6
94.6	96.3	97.7	97.7	97.7	97.8	98.0	98.0	98.0	98.0	98.0	98.0
94.6	96.3	97.7	97.7	97.7	97.8	98.0	98.0	98.0	98.0	98.0	98.0
94.8	96.7	98.2	98.2	98.2	98.3	98.6	98.6	98.6	98.6	98.6	98.6
95.2	97.1	98.7	98.7	98.7	98.8	99.0	99.0	99.0	99.0	99.0	99.0
95.2	97.1	98.7	98.7	98.7	98.8	99.0	99.0	99.0	99.0	99.0	99.0
95.2	97.1	98.7	98.7	98.7	98.8	99.0	99.0	99.0	99.0	99.0	99.0
95.2	97.1	98.8	98.8	98.8	98.9	99.1	99.4	99.4	99.4	99.6	99.6
95.2	97.1	98.8	98.9	98.9	99.0	99.2	99.6	99.6	99.7	99.8	99.9
95.2	97.1	98.8	98.9	99.0	99.1	99.3	99.7	99.7	99.8	99.9	100.0
95.2	97.1	98.8	98.9	99.0	99.1	99.3	99.7	99.7	99.8	99.9	100.0
95.2	97.1	98.8	98.9	99.0	99.1	99.3	99.7	99.7	99.8	99.9	100.0

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEIL
FROM MONTHLY OBSERVATIONS

STATION NUMBER: 36553 STATION NAME: UPPER HEYFORD RAF UK
LST TO UTC: - 0

CEILING IN FEET	VISIBILITY IN METERS 111	90	80	60	50	40	30	20	15	10
ALL CEIL	39.0	37.2	35.7	35.3	37.2	43.1	34.7	34.4	33.9	34.3
50 20000	35.5	34.1	44.0	45.4	45.7	47.[illegible]	4[illegible]	4[illegible]	43.3	44.[illegible]
45 18000	35.4	33.3	44.[illegible]	45.7	46.3	48.0	48.[illegible]	43.1	43.2	44.[illegible]
40 15000	35.4	34.4	44.5	45.7	46.9	48.3	48.1	43.1	44.2	44.2
35 14000	37.2	35.[illegible]	45.2	46.1	47.3	48.4	48.4	48.5	43.7	44.7
30 12000	41.0	41.5	47.3	47.7	49.1	50.3	51.2	51.3	51.4	51.4
25 10000	44.7	45.2	50.3	51.7	53.3	54.4	55.4	55.5	55.7	55.7
20 [illegible]	47.5	48.1	51.3	52.7	54.[illegible]	55.9	56.7	57.3	57.1	57.1
17 [illegible]	49.[illegible]	50.4	55.4	57.3	58.4	59.5	61.7	61.5	62.3	[illegible]
15 7000	51.2	51.3	57.3	5[illegible]	61.0	62.1	63.2	63.4	63.[illegible]	64.7
12 6000	52.3	52.7	58.7	59.3	61.1	63.2	64.3	64.5	64.7	64.[illegible]
10 5000	56.1	5[illegible]	63.3	64.[illegible]	66.[illegible]	67.3	68.3	68.3	68.4	68.4
9 4500	57.3	[illegible]	67.3	69.7	72.[illegible]	73.1	74.4	74.7	74.[illegible]	74.[illegible]
8 4000	58.4	59.1	73.3	75.7	73.[illegible]	77.7	81.4	81.7	81.[illegible]	81.[illegible]
7 3500	61.5	63.2	77.3	78.3	82.2	83.5	85.3	85.5	85.7	85.[illegible]
6 3000	75.[illegible]	75.7	78.[illegible]	81.5	84.3	86.3	[illegible]	89.[illegible]	89.3	[illegible]
5 2500	75.[illegible]	71.3	80.3	82.4	86.9	87.4	88.[illegible]	89.5	89.7	89.[illegible]
4 2000	71.3	72.[illegible]	81.2	83.4	88.9	[illegible]	91.3	90.[illegible]	[illegible]	91.[illegible]
3 1500	71.[illegible]	72.4	81.7	83.4	87.3	90.5	[illegible]	91.2	91.3	91.4
2 1000	72.1	72.[illegible]	82.2	[illegible]	83.9	90.5	91.5	93.[illegible]	93.1	93.3
1 1200	72.2	72.4	83.3	90.[illegible]	94.5	91.9	93.2	93.[illegible]	94.1	94.3
0 1000	72.5	73.3	84.1	86.3	90.5	92.1	94.3	94.3	95.[illegible]	95.4
0 [illegible]	72.7	73.3	84.2	86.3	90.7	92.2	94.4	95.1	[illegible]	95.[illegible]
0 [illegible]	72.[illegible]	73.4	84.7	87.5	91.3	92.4	95.2	95.5	[illegible]	95.5
0 700	73.[illegible]	73.7	85.1	88.0	91.5	93.3	[illegible]	96.7	97.[illegible]	97.4
0 600	73.0	73.7	85.2	88.1	92.2	94.0	96.7	97.5	97.3	[illegible]
0 500	73.0	73.7	85.2	88.2	92.4	94.3	97.1	98.1	98.4	[illegible]
0 400	73.0	73.7	85.2	88.2	92.4	94.3	97.1	98.1	98.4	99.7
0 300	73.0	73.7	85.2	88.2	92.5	94.4	97.2	98.2	98.5	99.1
0 200	73.[illegible]	73.7	85.2	88.2	92.6	94.4	97.2	98.2	98.6	99.1
0 100	73.0	73.7	85.2	88.2	92.5	94.4	97.2	98.2	98.5	99.1
0 000	73.0	73.7	85.2	88.2	92.5	94.4	97.2	98.2	98.5	99.1

TOTAL NUMBER OF OBSERVATIONS 900

0 - 2 - 73

[illegible]NCE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

[illegible] RECORD [illegible] JR PERIOD OF RECORD: JUL 76 - JUN 84
MONTH: SEP HOURS: 13-20

[illegible]IBILITY IN METERS										
[illegible]	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
[illegible].1	38.7	38.9	38.9	38.9	38.9	38.9	38.9	38.9	38.9	38.9
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	49.0	49.0	49.0
[illegible]	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2
[illegible]	49.1	49.1	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2
[illegible]	49.4	49.5	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7
[illegible]	51.2	51.3	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4
[illegible]	[illegible]	55.5	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7
[illegible]	55.9	57.0	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
[illegible]	61.7	61.[illegible]	62.0	62.1	62.1	62.1	62.1	62.2	62.2	62.2
[illegible].1	53.2	53.4	53.[illegible]	53.7	53.7	53.7	53.7	53.8	53.8	53.8
[illegible]	54.3	54.5	54.7	54.[illegible]	54.[illegible]	54.[illegible]	54.[illegible]	54.9	54.9	54.9
[illegible]	69.0	69.0	69.3	69.4	69.4	69.4	69.4	69.5	69.6	69.6
[illegible].1	74.4	74.7	74.[illegible]	74.9	74.9	74.9	74.9	75.0	75.0	75.0
[illegible].7	1.4	81.7	81.[illegible]	81.[illegible]	81.9	81.9	81.9	82.0	82.0	82.0
[illegible]	[illegible].3	[illegible].5	95.7	[illegible]	95.5	95.[illegible]	[illegible]	[illegible]	[illegible]	95.9
[illegible]	[illegible]	88.2	[illegible]	[illegible]	[illegible].5	88.5	[illegible]	88.7	88.7	88.7
7.4	[illegible]	89.5	[illegible].7	[illegible]	[illegible]	[illegible]	[illegible]	90.0	90.0	90.0
[illegible]	91.3	91.	91.9	91.0	91.2	91.2	91.2	91.3	91.3	91.3
[illegible]	[illegible]	91.2	91.3	91.4	91.7	91.7	91.7	91.[illegible]	91.[illegible]	91.8
[illegible]	[illegible].5	93.0	93.1	93.2	93.4	93.4	93.4	93.5	93.5	93.5
1.[illegible]	93.2	93.	94.1	94.3	94.5	94.5	94.6	94.7	94.7	94.7
[illegible].1	94.3	94.9	95.2	95.4	95.7	95.7	95.7	95.[illegible]	95.8	95.8
[illegible].2	94.4	95.1	[illegible].4	95.[illegible]	95.9	95.9	95.[illegible]	95.1	95.1	95.1
[illegible]	[illegible]	95.9	95.2	95.5	96.9	96.8	95.8	95.9	95.9	96.9
[illegible].3	[illegible]	95.7	97.0	97.3	97.7	97.7	97.7	97.8	97.8	97.8
[illegible]	95.7	97.6	97.9	98.2	98.5	98.5	98.6	98.7	98.7	98.7
94.3	97.1	98.1	98.4	99.0	99.2	99.2	99.2	99.3	99.3	99.3
94.3	97.1	98.1	98.4	99.0	99.3	99.4	99.4	99.5	99.5	99.5
94.4	97.2	98.2	98.5	99.1	99.4	99.7	99.7	99.8	99.8	100.0
94.4	97.2	98.2	98.6	99.1	99.4	99.7	99.7	99.8	99.8	100.0
94.4	97.2	98.2	98.6	99.1	99.4	99.7	99.7	99.8	99.8	100.0
94.4	97.2	98.2	98.6	99.1	99.4	99.7	99.7	99.8	99.8	100.0

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CL
FROM HOURLY OBSERVATIONS

STATION NUMBER: [illegible]   STATION NAME: UPPER HEYFORD RAF UK
LST TO UTC: - 0

CEILING IN FEET	VISIBILITY IN METERS GE 11[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
NO CEIL	37.[illegible]	37.[illegible]	43.1	44.0	45.1	45.6	45.7	[illegible]	[illegible]	[illegible]
GE 20000	[illegible]	[illegible]	[illegible]	49.2	50.7	51.1	52.4	52.7	52.7	[illegible]
GE 18000	41.[illegible]	42.4	[illegible]	49.2	50.7	51.1	52.4	52.7	[illegible]	[illegible]
GE 16000	41.[illegible]	[illegible]	[illegible]	49.2	50.7	51.1	52.4	52.7	52.7	52.7
GE 14000	41.	[illegible]	[illegible]	49.2	50.7	51.1	52.4	52.7	52.7	52.7
GE 12000	[illegible]	[illegible]	47.9	50.[illegible]	52.3	[illegible]	54.1	54.3	[illegible]	[illegible]
GE 10000	[illegible]	[illegible]	[illegible]	53.7	56.1	56.6	[illegible]	57.2	57.2	[illegible]
GE 9000	[illegible]	53.7	[illegible]	[illegible]	55.6	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
GE 8000	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
GE 7000	[illegible]	[illegible]	[illegible]	[illegible]	61.7	62.1	[illegible]	64.1	64.1	64.1
GE 6000	[illegible]	[illegible]	[illegible]	61.1	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
GE 5000	[illegible]	67.[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	70.[illegible]	[illegible]	[illegible]	[illegible]
GE 4500	[illegible]	61.3	[illegible]	71.2	73.1	73.[illegible]	75.7	[illegible]	[illegible]	[illegible]
GE 4000	[illegible]	[illegible]	71.6	[illegible]	[illegible]	77.1	[illegible]	[illegible]	[illegible]	[illegible]
GE 3500	[illegible]	[illegible]	[illegible]	76.3	77.4	[illegible]	81.[illegible]	82.1	82.1	82.1
GE 3000	[illegible]	67.4	[illegible]	[illegible]	[illegible]	82.3	84.7	[illegible]	[illegible]	[illegible]
GE 2500	[illegible]	[illegible]	77.1	[illegible]	82.3	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
GE 2000	[illegible]	[illegible]	77.2	81.1	83.4	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
GE 1800	[illegible]	[illegible]	[illegible]	81.4	[illegible]	85.2	87.[illegible]	[illegible]	[illegible]	[illegible]
GE 1500	[illegible]	71.1	[illegible]	[illegible]	[illegible]	87.[illegible]	[illegible]	91.[illegible]	[illegible]	[illegible]
GE 1200	[illegible]	71.1	81.1	[illegible]	87.1	[illegible]	91.[illegible]	[illegible]	[illegible]	[illegible]
GE 1000	[illegible]	71.7	[illegible]	[illegible]	88.1	[illegible]	92.3	93.[illegible]	[illegible]	[illegible]
GE 900	[illegible]	71.[illegible]	82.3	[illegible]	88.7	90.3	[illegible]	[illegible]	[illegible]	[illegible]
GE 800	71.[illegible]	72.1	[illegible]	85.7	[illegible]	91.[illegible]	94.[illegible]	[illegible]	[illegible]	[illegible]
GE 700	71.[illegible]	72.7	83.5	87.4	90.6	92.2	[illegible]	[illegible]	[illegible]	97.
GE 600	71.[illegible]	72.7	83.[illegible]	87.4	90.6	92.2	[illegible]	97.[illegible]	97.[illegible]	97.[illegible]
GE 500	71.[illegible]	72.7	83.[illegible]	87.[illegible]	91.3	93.0	[illegible]	[illegible]	[illegible]	[illegible]
GE 400	71.[illegible]	72.7	83.9	87.[illegible]	91.4	93.2	[illegible]	[illegible]	[illegible]	[illegible]
GE 300	71.6	72.7	83.[illegible]	87.[illegible]	91.6	93.3	[illegible]	[illegible]	[illegible]	[illegible]
GE 200	71.	72.7	83.9	87.[illegible]	91.6	93.3	[illegible]	[illegible]	[illegible]	[illegible]
GE 100	71.[illegible]	72.7	83.9	87.9	91.6	93.3	95.9	[illegible]	[illegible]	[illegible]
GE 0	71.6	72.7	83.9	87.9	91.6	93.3	95.9	[illegible]	[illegible]	[illegible]

TOTAL NUMBER OF OBSERVATIONS 90[illegible]

NTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

[illegible] PERIOD OF RECORD: JUL 74 - JUN 88
MONTH: SEP HOURS: 21-23

VISIBILITY IN METERS

GE 48	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
45.6	45.7	45.9	45.9	46.0	47.0	47.0	47.0	47.0	47.0	47.0
51.1	52.4	52.7	52.7	52.7	52.8	52.8	52.8	52.8	52.8	52.8
51.1	52.4	52.7	52.7	52.7	52.8	52.8	52.8	52.8	52.8	52.8
51.1	52.4	52.7	52.7	52.7	52.8	52.8	52.8	52.8	52.8	52.8
51.1	52.4	52.7	52.7	52.7	52.8	52.8	52.8	52.8	52.8	52.8
[illegible]	54.1	54.3	54.3	54.3	54.4	54.4	54.4	54.4	54.4	54.4
56.6	56.9	57.2	57.2	57.2	57.3	57.3	57.3	57.3	57.3	57.3
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	58.9	58.9	58.9	58.9	58.9	58.9
60.2	[illegible]	62.1	62.1	62.1	62.2	62.2	62.2	62.2	62.2	62.2
62.1	[illegible]	64.1	64.1	64.1	64.2	64.2	64.2	64.2	64.2	64.2
[illegible]	64.3	65.2	65.2	65.2	65.3	65.3	65.3	65.3	65.3	65.3
[illegible]	70.2	70.5	70.5	70.6	70.7	70.7	70.7	70.7	70.7	70.7
74.0	74.7	75.0	75.0	75.0	75.1	75.1	75.1	75.1	75.1	75.1
77.1	[illegible]	78.3	78.3	79.3	79.4	79.4	79.4	79.4	79.4	79.4
79.0	[illegible]	82.1	82.1	82.1	82.2	82.2	82.2	82.2	82.2	82.2
[illegible]	84.7	[illegible]	[illegible]	85.0	85.1	85.1	85.1	85.1	85.1	85.1
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	86.9	86.9	86.9	86.9	86.9	86.9
[illegible]	87.4	[illegible]	88.2	88.3	88.4	88.4	88.4	88.4	88.4	88.4
[illegible]	[illegible]	[illegible]	[illegible]	89.7	89.8	89.8	89.8	89.8	89.8	89.8
87.5	89.3	91.2	91.2	91.3	91.4	91.4	91.4	91.4	91.4	91.4
[illegible]	91.2	92.2	92.2	92.3	92.4	92.4	92.4	92.4	92.4	92.4
[illegible]	92.3	93.2	93.2	93.3	93.4	93.4	93.4	93.4	93.4	93.4
90.3	[illegible]	[illegible]	[illegible]	93.9	94.0	94.0	94.0	94.0	94.0	94.0
91.2	94.5	95.4	95.4	95.7	95.8	95.8	95.8	95.8	95.8	95.8
92.2	95.4	96.7	96.7	97.0	97.1	97.2	97.2	97.2	97.2	97.2
92.2	96.4	97.0	97.0	97.3	97.4	97.6	97.6	97.6	97.6	97.6
93.0	96.2	98.0	98.1	98.4	98.7	98.8	98.8	98.8	98.8	98.8
93.2	96.3	98.6	98.7	99.0	99.2	99.3	99.3	99.3	99.3	99.3
93.3	[illegible]	[illegible]	98.9	99.2	99.4	99.7	99.7	99.7	99.7	99.7
93.3	[illegible]	[illegible]	[illegible]	99.3	99.6	100.0	100.0	100.0	100.0	100.0
93.3	[illegible]	[illegible]	99.0	99.3	99.5	100.0	100.0	100.0	100.0	100.0
93.3	96.9	[illegible]	99.0	99.3	99.5	100.0	100.0	100.0	100.0	100.0

OPERATING LOCATION NAM PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILI
[illegible], ASHEVILLE NC HOUR HOURLY OBSERVATIONS

STATION NUMBER: 3[illegible] STATION NAME: UPPER HEYFORD RAF UK PERIOD: [illegible]
LST TO UTC: - 0 MONTH: [illegible]

CEILING IN FEET	0	1	3	5	7	9	11	13	15	17
	VISIBILITY IN METERS									
	112	95	80	60	48	40	32	24	20	16
NO CEIL	27.1	27.[illegible]	31.2	32.1	34.0	34.3	34.9	35.5	35.[illegible]	35.9
30000	32.[illegible]	34.9	38.2	39.4	41.5	41.9	42.7	43.5	44.7	44.[illegible]
15000	37.[illegible]	34.1	38.4	39.5	41.7	42.1	43.9	43.5	43.9	44.2
10000	33.[illegible]	34.1	38.4	39.5	41.7	42.1	42.7	43.5	47.[illegible]	44.2
5000	33.[illegible]	34.3	38.5	39.7	41.[illegible]	42.3	43.1	43.5	44.[illegible]	44.2
3000	35.[illegible]	[illegible]	39.5	41.3	43.1	43.5	44.5	45.1	45.[illegible]	45.[illegible]
2000	37.7	[illegible]	42.3	44.1	45.5	47.0	47.5	[illegible]	[illegible]	49.1
1500	37.[illegible]	[illegible]	44.0	45.[illegible]	47.[illegible]	49.4	49.3	50.0	[illegible]	[illegible]
1000	42.[illegible]	44.1	47.3	48.5	52.1	52.7	53.5	54.4	54.7	[illegible]
700	43.2	44.9	48.[illegible]	50.5	53.2	53.9	54.7	55.[illegible]	55.7	56.1
500	44.[illegible]	46.7	49.[illegible]	51.5	54.2	54.[illegible]	55.[illegible]	56.7	58.[illegible]	57.[illegible]
400	45.5	[illegible]	54.7	55.5	53.5	56.4	51.5	[illegible]	52.4	[illegible]
300	45.[illegible]	[illegible]	[illegible]	52.7	53.[illegible]	54.5	[illegible]	55.7	57.[illegible]	57.[illegible]
200	49.[illegible]	[illegible]	63.[illegible]	65.1	69.[illegible]	70.4	71.7	72.[illegible]	73.1	73.5
150	45.[illegible]	[illegible]	57.[illegible]	59.[illegible]	73.3	74.3	75.5	75.7	77.1	77.[illegible]
100	52.[illegible]	[illegible]	71.1	73.5	77.3	78.4	79.[illegible]	[illegible]	[illegible]	81.7
80	2800	53.[illegible]	[illegible]	72.5	75.2	73.3	80.1	81.5	82.7	83.1
60	3000	54.[illegible]	[illegible]	74.9	75.7	83.0	81.5	85.4	86.7	85.1
50	1[illegible]	55.1	55.1	74.3	77.[illegible]	81.0	82.2	83.[illegible]	[illegible]	85.5
40	1500	56.1	57.9	75.7	79.5	82.5	84.1	85.7	87.1	87.5
30	1200	[illegible]	[illegible]	76.[illegible]	79.[illegible]	84.2	85.7	87.4	[illegible]	[illegible]
20	1000	57.4	[illegible]	77.5	80.[illegible]	85.3	86.9	88.[illegible]	89.7	91.[illegible]
15	900	57.[illegible]	60.7	77.9	81.0	85.9	87.4	89.3	90.7	91.3
10	800	57.[illegible]	59.1	77.5	81.9	86.[illegible]	88.5	90.5	92.1	92.5
5	700	57.3	59.5	79.1	82.5	87.6	89.3	91.5	93.2	93.7
0	600	58.4	59.5	79.3	82.7	87.9	89.7	92.0	93.[illegible]	94.4
5	500	58.5	59.5	79.5	83.0	88.4	90.3	92.7	94.7	95.4
0	400	58.5	59.5	79.5	83.1	88.7	90.6	93.1	95.3	95.[illegible]
5	300	58.5	59.5	79.5	83.1	88.9	90.9	93.3	95.5	96.4
0	200	58.5	59.5	79.5	83.2	88.9	90.9	93.3	95.5	96.4
0	100	58.5	59.6	79.5	83.2	88.9	90.9	93.3	95.5	96.4
0	000	58.5	59.5	79.5	83.2	88.9	90.9	93.3	95.5	96.4

TOTAL NUMBER OF OBSERVATIONS 7200

FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

WEATHER RAF UK PERIOD OF RECORD: JUL 75 - JUN 82
MONTH: SEP HOURS: ALL

CEILING IN FEET	VISIBILITY IN METERS GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
[illegible]	34.9	35.5	35.3	35.9	36.2	36.3	35.3	36.4	36.6	36.8
[illegible]	42.7	43.5	43.7	44.0	44.1	44.3	44.4	44.5	44.6	44.8
[illegible]	42.9	43.6	43.9	44.2	44.3	44.5	44.5	44.6	44.8	45.0
[illegible]	42.9	43.6	43.9	44.2	44.3	44.5	44.5	44.6	44.8	45.0
[illegible]	43.1	43.8	44.0	44.3	44.5	44.7	44.7	44.8	45.0	45.2
[illegible]	44.8	45.1	45.3	45.6	45.7	45.9	46.0	46.1	46.2	46.4
[illegible]	47.6	48.6	48.8	49.1	49.3	49.5	49.5	49.7	49.8	50.1
[illegible]	49.3	50.0	50.3	50.6	50.8	51.0	51.0	51.1	51.3	51.5
[illegible]	53.6	54.4	54.7	55.0	55.2	55.4	55.4	55.6	55.7	55.9
[illegible]	54.7	55.5	55.7	56.1	56.3	56.4	56.5	56.6	56.8	57.0
[illegible]	55.4	56.7	56.9	57.2	57.4	57.6	57.6	57.8	57.9	58.2
[illegible]	61.9	62.2	62.4	62.8	63.0	63.2	63.3	63.4	63.6	63.8
[illegible]	65.8	66.7	67.0	67.3	67.6	67.6	67.8	68.0	68.2	68.4
[illegible]	71.7	72.6	73.1	73.6	73.8	74.0	74.2	74.2	74.3	74.6
[illegible]	75.6	76.7	77.1	77.4	77.7	77.9	78.0	78.1	78.3	78.5
[illegible]	79.6	80.9	81.3	81.7	81.9	82.2	82.2	82.4	82.5	82.8
[illegible]	81.6	82.7	83.1	83.5	83.8	84.0	84.1	84.2	84.4	84.6
[illegible]	83.4	84.7	85.1	85.5	85.8	86.1	86.1	86.3	86.4	86.7
[illegible]	83.6	85.1	85.5	85.9	86.2	86.5	86.5	86.7	86.8	87.1
[illegible]	86.7	87.1	87.6	87.9	88.3	88.5	88.6	88.7	88.9	89.1
[illegible]	87.4	88.8	89.3	89.8	90.1	90.4	90.4	90.6	90.7	91.0
[illegible]	88.8	90.2	90.7	91.2	91.6	91.8	91.8	92.0	92.2	92.4
[illegible]	89.2	90.7	91.2	91.7	92.1	92.3	92.4	92.5	92.7	92.9
[illegible]	90.6	92.1	92.6	93.2	93.5	93.6	93.8	94.0	94.1	94.4
[illegible]	91.6	93.2	93.7	94.3	94.7	94.9	94.9	95.1	95.3	95.5
[illegible]	92.0	93.8	94.4	95.0	95.4	95.7	95.7	95.9	96.1	96.3
[illegible]	92.7	94.7	95.4	95.1	96.6	96.8	96.9	97.1	97.3	97.5
[illegible]	93.1	95.3	96.0	96.8	97.3	97.6	97.8	98.0	98.2	98.4
[illegible]	93.3	95.6	96.4	97.3	97.8	98.3	98.4	98.7	99.0	99.3
[illegible]	[illegible]	95.6	96.5	97.4	98.0	98.5	98.6	99.0	99.3	99.7
[illegible]	93.3	95.6	96.5	97.4	98.1	98.5	98.7	99.1	99.5	100.0
[illegible]	93.3	95.6	96.5	97.4	98.1	98.5	98.7	99.1	99.5	100.0

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE, NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING
FROM HOURLY OBSERVATIONS

STATION NUMBER: 36683 STATION NAME: UPPER HEYFORD RAF UK PERIOD OF
LST TO UTC: - 0 MONTH: OCT

CEILING IN FEET	VISIBILITY IN METERS 112	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	31.1	37.3	38.4	41.2	41.5	42.0	43.0	43.2	43.5	44.
[illegible]	[illegible]	[illegible]	39.1	40.5	43.5	44.2	44.7	45.7	[illegible]	46.2	46.
6 1[illegible]	[illegible]	[illegible]	39.1	40.5	43.3	44.2	44.7	45.7	46.5	46.3	46.
[illegible]	[illegible]	[illegible]	39.1	40.5	43.[illegible]	44.2	44.7	45.7	[illegible]	46.2	46.
6[illegible] 14000	[illegible]	[illegible]	39.2	40.6	43.9	44.3	44.8	45.[illegible]	46.1	46.3	[illegible]
[illegible] 12000	[illegible]	33.4	40.1	41.5	44.7	45.2	45.7	46.7	47.0	47.3	47.
[illegible] 10000	[illegible]	[illegible]	43.4	45.1	48.7	49.4	[illegible]	51.2	51.8	51.[illegible]	[illegible]
[illegible] 9000	[illegible]	37.3	44.1	45.7	49.4	50.0	50.5	51.6	51.9	52.2	[illegible]
[illegible] 8000	[illegible]	[illegible]	45.0	49.7	53.5	54.2	54.7	55.9	56.3	56.6	57.
[illegible] 7000	[illegible]	[illegible]	[illegible]	[illegible]	54.6	55.3	55.8	57.0	57.4	57.5	[illegible]
[illegible] 6000	41.2	41.7	49.0	51.7	55.7	56.5	57.1	[illegible]	[illegible]	[illegible]	[illegible]
[illegible] 5000	45.	[illegible]	52.2	54.0	58.3	59.1	59.7	60.4	61.3	61.5	[illegible]
[illegible] 4500	45.3	47.2	56.5	55.4	58.9	59.0	59.5	60.7	65.1	[illegible]	[illegible]
[illegible] 4000	47.1	[illegible]	53.5	61.5	65.3	67.3	67.8	[illegible]	72.3	72.[illegible]	72.
[illegible] 3500	47.7	[illegible]	[illegible]	63.8	68.2	69.1	69.7	71.2	71.[illegible]	72.[illegible]	72.
[illegible] 3000	51.1	52.2	62.7	65.5	70.9	71.[illegible]	72.4	74.2	74.[illegible]	75.1	75.
[illegible] 2500	51.[illegible]	[illegible]	63.3	66.7	72.5	73.7	74.[illegible]	76.5	77.1	77.[illegible]	77.
[illegible] 2000	53.3	54.1	65.4	69.4	74.7	75.1	77.0	77.1	77.[illegible]	[illegible]	[illegible]
[illegible] 1800	53.3	54.1	65.7	69.9	75.2	75.[illegible]	77.4	77.5	[illegible]	[illegible]	81.
[illegible] 1500	53.3	54.3	67.2	70.3	75.7	78.3	79.1	81.3	[illegible]	[illegible]	[illegible]
[illegible] 1200	[illegible]	[illegible]	69.1	71.2	77.1	79.5	[illegible]	[illegible]	83.3	[illegible]	[illegible]
[illegible] 1000	[illegible]	[illegible]	69.7	72.0	80.5	82.0	83.1	85.3	85.1	[illegible]	[illegible]
[illegible] 900	56.0	57.2	70.3	73.[illegible]	81.7	83.4	84.5	87.[illegible]	87.[illegible]	[illegible]	[illegible]
[illegible] 800	[illegible]	[illegible]	71.5	75.1	83.1	85.2	86.7	89.0	90.2	[illegible]	91.
[illegible] 700	57.0	[illegible]	71.[illegible]	75.4	83.4	85.5	87.1	89.5	90.5	91.[illegible]	[illegible]
[illegible] 600	57.2	[illegible]	72.0	75.6	84.1	85.2	87.4	90.3	91.4	[illegible]	[illegible]
[illegible] 500	[illegible]	57.4	72.9	75.5	85.4	87.7	[illegible]	92.5	[illegible]	94.4	[illegible]
[illegible] 400	58.1	58.4	73.1	76.9	86.2	88.5	90.3	93.0	95.1	[illegible]	[illegible]
[illegible] 300	58.1	58.4	73.1	76.9	85.3	88.5	91.0	94.2	95.5	96.0	97
[illegible] 200	[illegible]	58.4	73.1	76.9	85.3	88.6	91.1	94.3	95.5	96.5	97
[illegible] 100	[illegible]	58.4	73.1	76.9	85.3	88.6	91.1	94.3	95.5	96.5	97
[illegible] 000	58.1	58.4	73.1	76.9	85.3	88.6	91.1	94.3	95.5	96.5	97

TOTAL NUMBER OF OBSERVATIONS 930

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

[illegible] HEYFORD RAF UK PERIOD OF RECORD: JUL 74 - JUN 84
MONTH: OCT HOURS: 00-02

VISIBILITY IN METERS										
GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
41.0	42.0	43.0	43.3	43.5	44.0	44.1	44.1	44.2	44.3	44.3
44.2	44.7	45.7	46.0	46.2	46.8	46.9	46.9	47.0	47.1	47.1
44.2	44.7	45.7	46.0	46.2	46.8	46.9	46.9	47.0	47.1	47.1
44.2	44.7	45.7	46.0	46.2	46.8	46.9	46.9	47.0	47.1	47.1
44.3	44.8	45.8	46.1	46.3	46.9	47.0	47.0	47.1	47.2	47.2
46.2	46.7	46.7	47.0	47.2	47.7	47.8	47.8	48.0	48.1	48.1
49.4	49.9	51.0	51.3	51.5	52.0	52.2	52.2	52.3	52.4	52.4
50.0	50.5	51.6	51.9	52.2	52.7	52.9	52.9	52.9	53.0	53.0
54.2	54.7	55.9	56.3	56.6	57.1	57.2	57.2	57.3	57.4	57.4
55.3	55.8	57.0	57.4	57.5	58.2	58.3	58.3	58.4	58.5	58.5
56.5	57.1	58.3	58.7	58.9	59.5	59.5	59.5	59.7	59.8	59.8
59.1	59.7	60.9	61.3	61.5	62.0	62.2	62.2	62.3	62.4	62.4
64.0	64.5	65.7	66.1	66.3	66.9	67.0	67.0	67.1	67.2	67.2
67.3	67.8	69.4	70.0	70.2	70.8	70.9	70.9	71.0	71.1	71.1
69.1	69.7	71.2	71.6	72.0	72.6	72.7	72.7	72.8	72.9	72.9
71.8	72.4	74.2	74.8	75.1	75.6	75.7	75.7	75.8	75.9	75.9
73.7	74.3	76.5	77.1	77.3	77.5	78.0	78.0	78.1	78.2	78.2
75.1	77.0	79.1	79.8	80.2	80.8	80.9	80.9	81.0	81.1	81.1
75.9	77.4	79.5	80.2	80.5	81.3	81.4	81.4	81.5	81.6	81.6
78.3	79.1	81.3	82.0	82.6	83.1	83.2	83.2	83.3	83.4	83.4
79.9	80.4	82.6	83.3	83.9	84.4	84.5	84.5	84.6	84.7	84.7
82.0	83.1	85.3	86.1	86.8	87.3	87.4	87.4	87.6	87.7	87.7
83.4	84.5	87.0	87.8	88.5	89.0	89.1	89.1	89.4	89.5	89.5
85.2	86.7	89.0	90.0	90.6	91.5	91.6	91.6	91.8	91.9	91.9
86.5	87.1	89.5	90.5	91.2	92.0	92.2	92.2	92.4	92.5	92.5
86.2	87.3	90.3	91.4	92.0	92.9	93.0	93.0	93.2	93.3	93.3
87.7	89.3	92.5	93.8	94.4	95.4	95.6	95.6	95.8	95.9	95.9
88.5	90.3	93.9	95.1	95.8	96.9	97.1	97.1	97.3	97.4	97.4
88.5	91.0	94.2	95.5	96.2	97.3	97.6	97.6	98.1	98.3	98.3
88.5	91.1	94.3	95.6	96.5	97.5	97.8	98.3	98.7	98.9	99.2
88.5	91.1	94.3	95.6	96.5	97.5	97.8	98.4	98.8	99.1	99.6
88.5	91.1	94.3	95.6	96.5	97.5	97.8	98.4	98.8	99.1	100.0

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEI
FROM HOURLY OBSERVATIONS

STATION NUMBER: 36593 STATION NAME: UPPER HEYFORD RAF UK PERIOD
LST TO UTC: - 0 MONTH:

CEILING IN FEET	VISIBILITY IN METERS 10	8	6	5	4	3	2.5	2	1.5	1
	11	9	7	6	5	4	3	2	1.5	1
NO CEIL	26.0	28.7	31.9	33.1	35.6	36.5	36.9	38.4	39.4	40.3
GE 20000	27.4	27.6	34.5	35.7	38.2	39.0	39.4	41.1	42.0	42.7
GE 18000	27.4	27.6	34.5	35.7	38.2	39.0	39.4	41.1	42.0	42.7
GE 15000	27.4	27.6	34.5	35.7	38.2	39.0	39.4	41.1	42.0	42.7
GE 14000	27.4	27.6	34.5	35.7	38.2	39.0	39.4	41.1	42.0	42.7
GE 12000	27.6	27.8	34.7	36.0	38.5	39.4	39.7	41.4	42.4	43.1
GE 10000	30.9	30.9	38.3	39.5	42.0	43.0	43.5	45.5	46.5	47.1
GE 9000	31.0	31.4	38.9	40.1	42.6	43.8	44.1	46.0	47.0	47.7
GE 8000	32.4	32.6	40.3	42.0	44.9	46.2	46.5	48.5	49.5	50.4
GE 7000	32.9	33.7	41.2	42.5	45.5	47.0	47.5	49.6	50.5	51.2
GE 6000	33.9	34.1	42.0	43.9	47.2	48.5	49.2	51.5	52.5	53.1
GE 5000	36.9	39.0	45.7	47.1	50.5	51.3	52.5	54.0	55.5	56.3
GE 4000	38.7	39.1	46.1	49.8	53.3	54.7	55.4	57.4	58.6	59.2
GE 3000	40.0	41.3	49.5	52.3	56.2	57.5	58.4	61.1	62.0	62.7
GE 2500	41.1	41.7	51.9	53.4	57.7	59.2	59.9	62.5	63.7	64.5
GE 2000	42.7	43.3	53.7	55.5	60.1	61.5	62.5	65.0	66.3	67.2
GE 1800	44.7	44.4	55.4	57.2	62.2	63.7	64.5	67.5	68.5	69.4
GE 1500	45.2	45.7	57.2	59.2	64.7	66.3	67.6	71.3	72.2	73.1
GE 1200	45.9	46.3	57.4	59.5	65.1	66.7	68.0	71.3	72.5	73.3
GE 1000	47.2	48.1	59.7	61.9	67.5	69.2	70.5	74.2	75.4	76.2
GE 900	47.9	49.3	61.9	63.1	69.1	70.9	72.4	76.1	77.3	78.2
GE 800	49.5	50.3	62.6	64.3	71.3	73.0	74.5	78.6	79.9	80.8
GE 700	50.1	51.0	63.2	65.6	72.4	74.2	76.1	80.1	81.3	82.2
GE 600	50.4	51.3	64.0	66.9	73.7	75.5	77.5	81.7	82.9	84.1
GE 500	50.5	51.5	64.5	67.4	74.4	76.3	78.4	82.3	84.1	85.3
GE 400	50.7	51.7	64.8	67.8	75.3	77.3	79.7	84.2	85.4	86.6
GE 300	51.7	52.6	65.1	69.2	77.3	79.4	82.2	86.8	88.0	89.1
GE 200	51.7	52.6	65.2	69.5	78.1	80.1	82.9	87.7	89.0	90.2
GE 150	51.7	52.6	65.2	69.5	78.4	80.4	83.2	88.4	89.7	91.1
GE 100	51.7	52.6	65.2	69.5	78.4	80.4	83.2	88.6	90.1	91.6
GE 50	51.7	52.6	66.2	69.5	78.4	80.4	83.3	88.9	90.3	92.0
GE 000	51.7	52.6	66.2	69.5	78.4	80.4	83.3	88.9	90.3	92.0

TOTAL NUMBER OF OBSERVATIONS 930

0 - 2 - 93

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

HEYFORD RAF UK — PERIOD OF RECORD: JUL 79 - JUN 86
MONTH: OCT HOURS: 03-05

VISIBILITY IN METERS										
GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
36.6	36.8	38.4	39.4	40.0	40.2	40.3	40.4	40.9	41.4	42.0
39.0	39.4	41.1	42.0	42.7	43.0	43.1	43.3	43.8	44.3	44.9
39.0	39.4	41.1	42.0	42.7	43.0	43.1	43.3	43.8	44.3	44.9
39.0	39.4	41.1	42.0	42.7	43.0	43.1	43.3	43.8	44.3	44.9
39.0	39.4	41.1	42.0	42.7	43.0	43.1	43.3	43.8	44.3	44.9
39.4	39.7	41.4	42.4	43.0	43.3	43.4	43.7	44.1	44.6	45.3
43.2	43.6	45.5	46.5	47.1	47.4	47.5	47.7	48.4	48.9	49.6
43.8	44.1	46.0	47.0	47.6	48.0	48.1	48.3	48.9	49.5	50.1
45.2	46.4	48.8	49.8	50.4	50.8	50.9	51.1	51.7	52.3	52.9
47.0	47.5	49.6	50.5	51.2	51.5	51.6	51.8	52.5	53.0	53.7
48.6	49.2	51.5	52.5	53.1	53.4	53.5	53.8	54.4	54.9	55.6
51.3	52.5	54.8	55.8	56.5	56.8	56.9	57.1	57.7	58.3	58.9
54.7	56.4	57.6	58.6	59.2	59.7	59.8	60.0	60.6	61.2	61.8
57.6	58.4	61.1	62.0	62.6	63.6	63.7	63.9	64.5	65.1	65.7
58.2	60.0	62.8	63.8	64.5	65.3	65.4	65.6	66.2	66.8	67.4
61.6	62.5	65.6	66.6	67.3	68.1	68.2	68.4	69.0	69.6	70.2
62.7	64.6	67.6	68.6	69.4	70.2	70.4	70.6	71.3	71.8	72.5
65.3	67.6	71.0	72.2	73.0	73.9	74.1	74.3	74.9	75.5	76.1
66.7	69.0	71.3	72.5	73.3	74.2	74.4	74.6	75.3	75.8	76.5
69.2	70.5	74.2	75.4	76.2	77.2	77.4	77.6	78.3	78.9	79.5
70.9	72.4	76.1	77.3	78.2	79.1	79.4	79.6	80.2	80.8	81.4
73.0	74.8	78.6	79.8	80.6	81.7	81.9	82.2	82.8	83.3	84.0
74.2	76.1	80.1	81.3	82.2	83.2	83.4	83.7	84.3	84.8	85.5
75.6	77.5	81.7	82.9	84.0	85.2	85.4	85.6	86.3	86.9	87.5
76.3	78.4	82.9	84.1	85.3	86.6	86.7	86.9	87.6	88.2	88.8
77.3	79.7	84.2	85.4	86.6	87.7	88.0	88.2	88.9	89.5	90.3
79.4	82.2	86.3	88.0	89.1	90.6	90.8	91.0	91.7	92.3	93.1
80.1	82.9	87.7	89.0	90.2	91.6	91.9	92.2	93.0	93.7	94.7
80.4	83.2	88.4	89.7	91.1	92.8	93.1	93.3	94.2	94.8	96.1
80.4	83.2	88.6	90.1	91.6	93.3	93.7	93.9	94.8	95.8	97.4
80.4	83.3	88.8	90.3	92.0	93.8	94.2	94.5	95.6	97.0	99.1
80.4	83.3	88.8	90.3	92.0	93.8	94.2	94.5	95.6	97.0	100.0

OPERATING LOCATION "A"
USARETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEIL
FROM HOURLY OBSERVATIONS

STATION NUMBER: 36553 STATION NAME: UPPER HEYFORD RAF UK PERIOD
LST TO UTC: - 0 MONTH:

CEILING IN FEET	VISIBILITY IN METERS 9F 112	9E 80	9D 80	9C 40	9B 48	9A 40	8E 32	8D 24	8C 20	8B 16
NO CEIL	19.9	20.4	21.3	22.9	25.9	27.0	27.5	28.1	28.3	28.4
GE 20000	23.5	23.7	27.5	28.6	32.4	33.4	34.1	34.5	34.7	35.2
GE 18000	23.5	23.7	27.5	28.6	32.4	33.4	34.1	34.5	34.7	35.2
GE 16000	23.5	23.7	27.5	28.6	32.4	33.4	34.1	34.5	34.7	35.2
GE 14000	23.7	23.9	27.6	28.7	32.5	33.5	34.2	34.6	34.8	35.3
GE 12000	23.7	23.9	27.6	28.9	32.8	33.9	34.5	34.9	35.2	35.8
GE 10000	24.3	25.5	30.2	31.3	35.3	36.6	37.3	37.8	38.1	38.5
GE 9000	24.3	26.2	31.1	32.2	36.1	37.4	38.2	38.7	38.9	39.4
GE 8000	24.6	26.5	34.0	36.0	40.1	41.4	42.3	43.0	43.4	44.1
GE 7000	24.6	26.5	34.6	36.2	40.3	41.5	42.5	43.2	43.7	44.3
GE 6000	28.1	29.4	35.2	36.5	40.6	41.9	42.8	43.7	44.1	44.7
GE 5000	31.4	31.8	38.3	39.7	44.0	45.4	46.2	47.1	47.3	48.2
GE 4500	33.4	33.7	40.5	42.4	47.4	48.9	49.8	50.9	51.4	52.2
GE 4000	35.3	35.7	42.9	45.2	50.5	52.2	53.1	54.3	55.1	56.2
GE 3500	36.1	36.8	43.7	46.0	51.5	53.3	54.3	55.6	56.3	57.5
GE 3000	37.2	37.5	45.5	48.2	54.3	56.3	56.9	58.4	59.2	60.4
GE 2500	38.5	38.8	47.2	49.9	56.3	57.8	58.3	60.5	61.4	62.4
GE 2000	39.9	40.2	49.0	52.2	58.9	60.6	62.2	63.3	64.9	66.5
GE 1500	40.1	40.4	49.2	52.5	59.2	61.0	62.5	64.1	65.3	66.9
GE 1000	41.0	41.3	50.3	53.7	60.5	62.4	63.9	65.5	66.7	68.2
GE 1200	42.2	42.5	52.4	55.9	63.2	65.1	66.7	68.3	69.7	71.3
GE 1000	43.3	43.6	53.9	57.7	65.7	67.7	69.5	71.4	72.5	74.2
GE 900	43.7	44.1	54.4	58.3	66.3	68.4	70.3	72.2	73.4	75.1
GE 800	44.3	44.7	55.5	59.5	68.4	70.5	72.5	74.5	75.9	77.6
GE 700	44.3	44.7	55.3	60.2	68.9	71.1	73.2	75.3	76.6	78.5
GE 600	44.8	44.9	55.3	60.8	69.6	71.8	74.1	76.3	77.5	79.3
GE 500	45.4	45.9	57.5	61.9	71.8	74.2	76.5	79.5	80.6	82.9
GE 400	45.4	45.9	57.6	62.0	72.4	74.9	77.5	80.9	82.4	84.0
GE 300	45.4	45.9	57.6	62.0	72.5	74.9	78.0	81.3	82.9	85.3
GE 200	45.4	45.9	57.6	62.0	72.6	75.1	78.1	81.5	83.1	85.7
GE 100	45.4	45.9	57.6	62.0	72.6	75.1	78.1	81.5	83.2	86.0
GE 000	45.4	45.9	57.6	62.0	72.6	75.1	78.1	81.5	83.2	86.0

TOTAL NUMBER OF OBSERVATIONS 930

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

: UPPER HEYFORD RAF UK — PERIOD OF RECORD: JUL 75 - JUN 84
- 0 — MONTH: OCT HOURS: 06-08

VISIBILITY IN METERS											
GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
26.8	27.0	27.6	28.1	28.3	28.4	28.1	28.9	28.9	29.6	30.0	31.6
32.4	33.4	34.1	34.5	34.7	35.2	35.6	35.7	35.7	36.3	37.5	39.1
32.4	33.4	34.1	34.5	34.7	35.2	35.6	35.7	35.7	36.3	37.5	39.1
32.4	33.4	34.1	34.5	34.7	35.2	35.6	35.7	35.7	36.3	37.5	39.1
32.6	33.5	34.2	34.6	34.8	35.3	35.7	35.8	35.8	36.5	37.6	39.2
32.8	33.9	34.5	34.9	35.2	35.6	36.0	36.1	36.1	36.8	38.0	39.6
35.3	36.6	37.3	37.8	38.1	38.5	38.9	39.0	39.0	39.7	40.9	42.5
36.1	37.4	38.2	38.7	38.9	39.4	39.8	39.9	39.9	40.5	41.7	43.4
40.1	41.4	42.3	43.0	43.4	44.0	44.4	44.5	44.6	45.3	46.5	48.2
40.4	41.6	42.5	43.2	43.7	44.3	44.7	44.8	44.9	45.6	46.9	48.5
40.6	41.9	42.8	43.7	44.1	44.7	45.2	45.3	45.4	46.1	47.3	49.0
44.6	45.4	46.2	47.1	47.5	48.2	48.6	48.7	48.8	49.6	50.8	52.5
47.4	48.9	49.8	50.9	51.4	52.2	52.6	52.7	53.0	53.8	55.1	56.8
50.6	52.2	53.1	54.3	55.1	56.2	56.7	56.8	57.2	58.0	59.2	61.0
51.6	53.3	54.3	55.6	56.3	57.5	58.0	58.1	58.5	59.2	60.5	62.3
54.3	55.8	56.9	58.4	59.2	60.4	61.0	61.1	61.5	62.3	63.5	65.5
56.3	57.8	59.0	60.5	61.4	62.9	63.4	63.5	64.0	64.7	66.0	68.0
58.9	60.6	62.2	63.8	64.9	66.5	67.1	67.2	67.6	68.4	69.7	71.6
59.2	61.0	62.6	64.1	65.3	66.9	67.4	67.5	68.0	68.7	70.0	71.9
60.3	62.4	63.9	65.6	66.7	68.2	68.8	69.0	69.5	70.2	71.5	73.4
63.2	65.1	66.7	68.5	69.7	71.3	71.9	72.2	72.6	73.3	74.6	76.6
66.7	67.7	69.6	71.4	72.6	74.2	75.1	75.4	75.8	76.7	78.0	79.9
66.3	68.4	70.3	72.2	73.4	75.1	75.9	76.3	76.8	77.6	78.9	80.9
68.4	70.5	72.6	74.6	75.9	77.5	78.6	79.0	79.5	80.3	81.7	83.3
70.9	71.1	73.2	75.3	76.6	78.5	79.6	80.1	80.5	81.4	82.8	84.8
70.6	71.8	74.1	76.3	77.6	79.8	81.2	81.7	82.2	83.0	84.4	86.8
71.8	74.2	76.8	79.5	80.8	82.9	84.4	84.9	85.4	86.2	87.6	90.0
72.4	74.8	77.5	80.8	82.4	84.6	86.5	87.0	87.8	88.8	90.6	93.2
72.5	74.9	78.0	81.3	82.9	85.3	87.4	88.0	89.0	90.3	92.3	95.6
72.6	75.1	78.1	81.5	83.1	85.7	87.8	88.5	89.6	91.0	93.1	96.8
72.6	75.1	78.1	81.5	83.2	86.0	88.2	88.9	90.1	91.9	94.2	98.3
72.6	75.1	78.1	81.5	83.2	86.0	88.2	88.9	90.1	91.9	94.2	100.0

OPERATING LOCATION MAP
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEIL
FROM HOURLY OBSERVATIONS

STATION NUMBER: 36593 STATION NAME: UPPER HEYFORD RAF UK PERIOD
LST TO UTC: - 0 MONTH:

CEILING IN FEET	VISIBILITY IN METERS									
	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	112	96	80	60	40	40	32	24	20	16
NO CEIL	19.[illegible]	20.1	23.[illegible]	24.[illegible]	27.1	27.3	27.7	28.4	29.9	30.0
GE 20000	27.[illegible]	27.7	32.7	34.2	35.5	36.[illegible]	37.3	37.1	[illegible]	39.[illegible]
GE 18000	27.[illegible]	27.3	32.9	34.3	35.7	36.9	37.4	38.2	38.[illegible]	39.1
GE 15000	27.7	27.[illegible]	32.8	34.3	36.7	36.9	37.4	38.[illegible]	38.[illegible]	39.1
GE 14000	27.2	27.[illegible]	32.[illegible]	34.3	36.7	36.9	37.4	38.2	38.[illegible]	39.1
GE 12000	27.5	28.[illegible]	33.5	35.1	37.5	37.7	38.3	39.0	39.7	40.0
GE 10000	31.[illegible]	31.7	37.0	38.7	41.3	41.7	42.3	43.1	43.[illegible]	44.1
GE 9000	31.[illegible]	32.5	37.[illegible]	39.9	42.5	42.9	43.4	44.3	44.9	45.3
GE 8000	34.4	3[illegible].3	41.0	43.3	46.3	47.0	47.5	4[illegible].5	49.1	49.[illegible]
GE 7000	34.9	35.[illegible]	42.[illegible]	44.4	47.5	48.3	48.9	49.9	50.[illegible]	51.0
GE 6000	35.2	36.3	42.5	44.7	48.0	48.5	49.2	50.2	51.[illegible]	51.4
GE 5000	36.9	37.7	44.5	47.2	50.5	51.2	51.[illegible]	52.[illegible]	53.[illegible]	54.[illegible]
GE 4000	38.5	39.4	46.7	49.2	52.7	53.4	54.2	55.5	56.3	56.[illegible]
GE 3000	41.[illegible]	42.3	50.0	52.5	56.5	57.2	58.1	59.7	60.9	61.3
GE 2500	42.1	44.[illegible]	52.2	54.9	59.8	60.4	61.6	63.2	64.1	64.[illegible]
GE 2000	4[illegible].[illegible]	45.[illegible]	55.3	58.2	63.5	64.5	65.[illegible]	67.9	68.1	68.[illegible]
GE 1500	46.[illegible]	47.6	56.8	59.7	65.1	66.2	67.5	69.2	70.1	71.[illegible]
GE 1200	46.7	47.5	59.4	62.3	67.3	69.0	71.4	72.7	73.[illegible]	74.[illegible]
GE 1000	48.5	48.9	63.7	62.5	68.2	69.4	71.1	73.5	74.1	74.[illegible]
GE 800	49.7	50.[illegible]	61.1	64.5	70.3	71.9	73.5	75.9	77.[illegible]	77.[illegible]
GE 600	51.[illegible]	52.4	63.7	67.4	73.8	75.5	77.4	79.7	80.3	81.[illegible]
GE 500	52.[illegible]	53.1	65.1	68.9	75.5	77.5	79.[illegible]	82.6	83.[illegible]	84.7
GE 450	52.5	53.5	65.5	69.4	76.2	78.1	80.5	83.2	84.7	85.7
GE 400	53.0	53.9	66.3	70.4	77.4	79.2	82.0	84.9	86.1	87.1
GE 300	53.4	54.3	67.2	71.7	78.9	80.8	83.9	87.0	88.2	89.[illegible]
GE 200	53.9	54.7	68.0	72.7	79.8	81.8	84.9	88.2	89.4	90.[illegible]
GE 150	53.9	54.7	68.1	72.8	80.1	82.7	85.9	89.5	90.5	92.2
GE 100	53.9	54.7	68.1	72.8	80.3	83.0	86.6	90.1	91.4	93.1
GE 300	53.9	54.7	68.1	72.8	80.4	83.1	86.7	90.4	91.7	93.[illegible]
GE 200	53.9	54.7	68.1	72.8	80.4	83.1	86.7	90.4	91.7	93.5
GE 100	53.9	54.7	68.1	72.8	80.4	83.1	86.7	90.4	91.7	93.5
GE 000	53.9	54.7	68.1	72.8	80.4	83.1	86.7	90.4	91.7	93.5

TOTAL NUMBER OF OBSERVATIONS 930

9 - 2 - 85

PERCENT FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

HOVERO RAF UK PERIOD OF RECORD: JUL 79 - JUN 83
MONTH: OCT HOURS: 09-11

VISIBILITY IN METERS										
5	3G	3F	6F	9F	5E	6E	6L	6D	6E	6F
49	32	24	20	15	12	10	08	06	04	00
27.3	27.7	28.4	28.9	29.0	29.0	29.0	29.0	29.1	29.2	29.7
36.6	37.3	38.1	38.7	39.0	39.0	39.1	39.1	39.2	39.6	40.1
36.9	37.4	38.2	38.8	39.1	39.1	39.2	39.2	39.4	39.7	40.2
36.9	37.4	38.2	38.8	39.1	39.1	39.2	39.2	39.4	39.7	40.2
36.9	37.4	38.2	38.8	39.1	39.1	39.2	39.2	39.4	39.7	40.2
37.7	38.3	39.0	39.7	40.0	40.0	40.1	40.1	40.2	40.5	41.1
41.7	42.3	43.1	43.8	44.1	44.2	44.3	44.3	44.4	44.7	45.3
42.9	43.4	44.3	44.9	45.3	45.4	45.5	45.5	45.6	45.9	46.5
47.3	47.5	48.5	49.1	49.5	49.8	49.9	49.9	50.0	50.3	50.9
48.3	48.9	49.9	50.5	51.0	51.2	51.3	51.3	51.4	51.7	52.3
48.5	49.2	50.2	51.0	51.4	51.6	51.7	51.7	51.9	52.2	52.7
51.2	51.8	52.8	53.5	54.0	54.2	54.3	54.3	54.4	54.7	55.3
53.4	54.2	55.5	55.3	56.8	57.0	57.1	57.1	57.2	57.5	58.1
57.2	58.1	59.7	60.5	61.3	61.5	61.7	61.7	61.8	62.2	62.7
61.8	61.5	63.2	64.1	64.8	65.2	65.3	65.3	65.4	65.7	66.2
64.9	65.5	67.2	68.1	68.9	69.2	69.5	69.5	69.6	70.0	70.4
66.2	67.5	69.2	70.1	71.0	71.3	71.5	71.5	71.6	72.0	72.7
69.0	70.4	72.7	73.8	74.5	74.9	75.2	75.2	75.3	75.7	76.3
70.4	71.1	73.0	74.1	74.9	75.3	75.5	75.5	75.6	76.0	76.7
71.9	73.3	75.9	77.5	77.8	78.2	78.4	78.4	78.5	78.9	79.6
75.5	77.4	78.7	80.3	81.6	81.9	82.2	82.2	82.3	82.7	83.3
77.5	79.4	82.6	83.8	84.7	85.1	85.4	85.4	85.5	85.9	86.6
78.1	80.5	83.5	84.7	85.7	86.0	86.3	86.3	86.5	86.9	87.5
79.2	82.0	84.9	86.1	87.1	87.4	87.7	87.7	87.8	88.3	88.9
80.7	83.9	87.0	88.2	89.6	89.9	90.2	90.2	90.4	90.9	91.5
81.8	84.9	88.2	89.4	90.8	91.1	91.4	91.4	91.6	92.0	93.0
82.7	85.9	89.5	90.6	92.2	92.6	93.0	93.2	93.4	93.9	94.8
83.0	86.6	90.1	91.4	93.1	93.7	94.1	94.4	94.6	95.2	96.1
83.1	85.7	90.4	91.7	93.5	94.4	94.9	95.3	95.8	96.3	97.4
83.1	85.7	90.4	91.7	93.5	94.4	95.2	95.5	96.3	96.9	98.3
83.1	85.7	90.4	91.7	93.5	94.4	95.3	95.6	96.5	97.7	99.6
83.1	85.7	90.4	91.7	93.5	94.4	95.3	95.6	96.8	97.7	100.0

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE, NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF [illegible]
FROM HOURLY OBSERVATIONS

STATION NUMBER: 3[illegible] STATION NAME: UPPER HAYFORD [illegible] [illegible]
LST TO UTC: - 0 [illegible]

CEILING IN FEET	VISIBILITY IN METERS 1[illegible]	2[illegible]	3[illegible]	3[illegible]	3[illegible]	4[illegible]	4[illegible]	5[illegible]	5[illegible]	6[illegible]	7[illegible]
	1[illegible]	1[illegible]	2[illegible]	3[illegible]	4[illegible]	40	32	24	2[illegible]	1[illegible]
NO CEIL	1[illegible].7	[illegible].1	22.4	22.9	23.7	23.[illegible]	23.7	23.9	23.9	23.[illegible]
20000	2[illegible].4	[illegible]	31.9	32.5	33.2	33.3	33.4	33.4	33.5	33.[illegible]
15000	[illegible]	[illegible].7	32.4	32.9	33.7	33.8	33.9	33.9	34.3	34.[illegible]
10000	2[illegible]	23.7	32.4	32.9	33.7	33.[illegible]	33.9	33.9	34.[illegible]	34.[illegible]
14000	2[illegible].9	2[illegible].7	32.4	32.9	33.7	33.8	33.9	33.9	34.[illegible]	34.[illegible]
12000	2[illegible].4	2[illegible].[illegible]	33.5	34.1	34.[illegible]	34.[illegible]	35.1	35.1	3[illegible].9	35.[illegible]
10000	3[illegible].[illegible]	3[illegible].4	37.4	3[illegible].4	39.4	39.5	3[illegible].5	39.5	39.7	39.[illegible]
9000	2[illegible].[illegible]	3[illegible].[illegible]	2[illegible].5	39.5	42.5	40.6	40.4	40.[illegible]	40.9	41.[illegible]
8000	[illegible]	[illegible]	[illegible]	43.3	45.2	45.5	45.7	45.[illegible]	45.[illegible]	45.[illegible]
7000	3[illegible].9	[illegible].1	44.5	46.[illegible]	47.2	47.3	47.4	47.4	47.5	47.[illegible]
6000	[illegible]	[illegible]	[illegible]	49.9	49.7	49.1	49.2	4[illegible]	49.3	[illegible]
5000	[illegible]	43.[illegible]	44.3	47.5	51.1	52.4	52.7	52.[illegible]	52.3	52.[illegible]
4500	4[illegible]	4[illegible]	4[illegible]	52.3	54.9	55.8	55.9	55.9	55.5	55.[illegible]
4000	4[illegible]	4[illegible]	[illegible].3	57.4	59.1	61.5	61.[illegible]	61.[illegible]	62.2	62.[illegible]
3500	3[illegible]	3[illegible]	5[illegible]	61.[illegible]	63.3	65.9	66.5	66.7	66.[illegible]	66.[illegible]
3000	[illegible]	[illegible]	61.7	69.1	71.3	74.5	75.3	75.4	75.5	75.7	7[illegible]
2500	3[illegible]	61.[illegible]	63.4	71.5	73.[illegible]	77.1	77.4	7[illegible]	7[illegible]	7[illegible]	7[illegible]
2000	2[illegible]	64.4	6[illegible]	74.[illegible]	77.4	1[illegible]	81.6	82.[illegible]	82.3	82.4	[illegible]
1500	1[illegible]	64.[illegible]	6[illegible]	75.5	7[illegible].1	81.4	82.3	82.7	82.[illegible]	82.[illegible]	[illegible]
1000	1[illegible]	65.[illegible]	67.4	77.[illegible]	7[illegible]	83.4	84.[illegible]	85.4	85.7	85.[illegible]	[illegible]
500	1[illegible]	67.4	69.1	79.9	81.5	85.7	86.2	86.[illegible]	86.1	86.2	[illegible]
400	1[illegible]	[illegible].1	[illegible]	79.2	83.[illegible]	87.7	89.[illegible]	90.3	91.4	91.5	91.7
300	[illegible]	[illegible]	7[illegible]	80.[illegible]	83.4	88.4	90.6	91.4	92.2	92.6	92.[illegible]
200	[illegible]	6[illegible]	7[illegible]	81.6	84.5	89.9	92.3	93.2	93.[illegible]	94.[illegible]	94.1
100	7[illegible]	6[illegible]	7[illegible]	81.6	84.8	90.8	93.1	94.2	95.1	95.4	95.[illegible]
000	6[illegible]	6[illegible]	7[illegible]	81.7	84.9	90.9	93.2	94.5	95.2	95.5	[illegible].7
300	3[illegible]	6[illegible]	7[illegible]	81.8	85.3	91.4	93.9	94.8	95.2	95.5	97.
400	3[illegible]	6[illegible]	7[illegible]	81.8	85.3	91.6	94.2	95.3	96.7	97.0	97.
300	3[illegible]	6[illegible]	7[illegible]	81.8	85.3	91.6	94.2	95.3	96.7	97.2	9[illegible]
200	2[illegible]	6[illegible]	7[illegible]	81.8	85.3	91.6	94.2	95.3	96.7	97.2	9[illegible]
100	1[illegible]	6[illegible]	7[illegible]	81.8	85.3	91.6	94.2	95.3	96.7	97.2	9[illegible]
000	0[illegible]	6[illegible]	7[illegible]	81.8	85.3	91.6	94.2	95.3	96.7	97.2	9[illegible]

TOTAL NUMBER OF OBSERVATIONS 430

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

[illegible] MEYERS AFB UK PERIOD OF RECORD: JUL 78 - JUN 88
MONTH: OCT HOURS: 12-14

	VISIBILITY IN METERS										
	G1 40	G2 32	G3 24	G4 20	G5 16	G6 12	G7 10	G8 08	G9 06	G10 04	G11 00
[illegible].7	23.9	23.9	23.9	23.9	23.9	23.9	23.9	23.9	23.9	23.9	23.9
[illegible].2	33.3	33.4	33.4	33.5	33.5	33.7	33.7	33.7	33.7	33.7	33.7
[illegible].7	33.9	33.9	33.9	34.0	34.0	34.1	34.1	34.1	34.1	34.1	34.1
[illegible].7	33.9	33.9	33.9	34.0	34.0	34.1	34.1	34.1	34.1	34.1	34.1
[illegible].7	33.9	33.9	33.9	34.0	34.0	34.1	34.1	34.1	34.1	34.1	34.1
[illegible]	34.9	35.1	35.1	35.2	35.2	35.3	35.3	35.3	35.3	35.3	35.3
[illegible].4	39.5	39.5	39.6	39.7	39.7	39.8	39.8	39.8	39.8	39.8	39.8
[illegible]	40.5	40.8	40.8	40.9	40.9	41.0	41.0	41.0	41.0	41.0	41.0
[illegible]	46.7	46.8	46.8	46.9	46.9	47.0	47.0	47.0	47.0	47.0	47.0
[illegible].2	47.3	47.4	47.4	47.5	47.5	47.6	47.6	47.6	47.6	47.6	47.6
[illegible].1	44.2	44.3	44.3	44.4	44.4	45.[illegible]	45.5	45.5	45.5	45.5	45.5
[illegible]	52.7	52.8	52.8	52.9	52.9	53.0	53.0	53.0	53.0	53.0	53.0
[illegible]	55.9	55.9	55.9	55.9	55.9	56.1	56.1	56.1	56.1	56.1	56.1
[illegible]	61.8	61.9	62.0	62.2	62.2	62.3	62.3	62.3	62.3	62.3	62.3
[illegible].9	66.5	66.7	66.8	66.9	66.9	67.0	67.0	67.0	67.0	67.0	67.0
[illegible]	75.3	75.4	75.5	75.7	75.7	75.8	75.8	75.8	75.8	75.8	75.8
[illegible].1	77.9	78.3	78.5	78.6	78.6	78.7	78.7	78.7	78.7	78.7	78.7
[illegible]	81.6	82.0	82.3	82.4	82.4	82.5	82.5	82.5	82.5	82.5	82.5
[illegible]	82.8	82.7	82.9	83.0	83.0	83.1	83.1	83.1	83.1	83.1	83.1
[illegible]	84.9	85.4	85.7	85.8	85.8	85.9	85.9	85.9	85.9	85.9	85.9
[illegible]	88.2	88.8	89.1	89.2	89.2	89.4	89.4	89.4	89.4	89.4	89.4
[illegible].7	90.9	90.9	91.4	91.6	91.7	91.8	91.8	91.8	91.8	91.8	91.8
[illegible]	91.4	91.6	92.2	92.4	92.6	92.6	92.6	92.6	92.6	92.6	92.6
[illegible]	92.3	93.2	93.8	94.0	94.1	94.2	94.2	94.2	94.2	94.2	94.2
[illegible]	93.1	94.2	95.1	95.4	95.6	95.7	95.7	95.7	95.7	95.7	95.7
[illegible]	93.2	94.3	95.2	95.5	95.7	95.8	95.8	95.8	95.8	95.8	95.8
[illegible].6	93.9	94.8	95.2	96.6	97.0	97.2	97.3	97.3	97.3	97.3	97.3
[illegible].5	94.2	95.3	96.7	97.0	97.8	98.1	98.2	98.2	98.2	98.2	98.2
[illegible].5	94.2	95.3	96.7	97.2	98.3	98.7	98.9	98.9	99.2	99.2	99.2
[illegible].5	94.2	95.3	96.7	97.2	98.3	98.7	98.9	99.1	99.5	99.7	99.7
[illegible].5	94.2	95.3	96.7	97.2	98.3	98.7	98.9	99.1	99.5	99.8	99.8
[illegible].5	94.2	95.3	96.7	97.2	98.3	98.7	98.9	99.1	99.5	99.9	100.0

OPERATING LOCATION "A" PERCENTAGE FREQUENCY OF OCCURRENCE OF C
USAFTAC, ASHEVILLE, NC ALL ONLY OBSERVATIONS

STATION NUMBER: [illegible] STATION NAME: [illegible] PERI
LAT LONG: [illegible] MONTH

CEILING IN FEET	VISIBILITY IN METERS 10	9	8	7	6	5	4	3	2	1
	112	5	50	50	45	40	30	24	20	16
NO CEIL	20.0	21.0	23.1	24.3	25.1	25.1	25.1	25.3	25.3	2[illegible]
22000	31.[illegible]	31.[illegible]	34.7	35.[illegible]	35.7	35.7	35.7	36.[illegible]	37.[illegible]	37.[illegible]
1[illegible]	31.[illegible]	31.7	34.[illegible]	35.1	35.[illegible]	35.7	35.[illegible]	37.1	37.1	37.[illegible]
15000	31.[illegible]	31.7	34.[illegible]	35.1	35.[illegible]	35.7	35.7	37.1	37.1	37.[illegible]
14000	31.[illegible]	[illegible]	35.[illegible]	36.[illegible]	37.2	37.2	37.[illegible]	37.4	37.4	37.[illegible]
12000	33.[illegible]	[illegible]	37.4	38.[illegible]	39.4	39.4	39.4	39.[illegible]	39.[illegible]	39.[illegible]
10000	37.[illegible]	[illegible]	41.[illegible]	42.[illegible]	44.1	44.1	44.1	44.[illegible]	44.[illegible]	44.[illegible]
9000	[illegible]	[illegible]	[illegible]	43.[illegible]	45.3	45.3	45.3	45.[illegible]	45.[illegible]	45.[illegible]
8000	[illegible]	45.1	46.1	[illegible]	51.[illegible]	51.[illegible]	51.[illegible]	51.7	[illegible]	[illegible]
7000	44.[illegible]	[illegible]	[illegible]	52.2	53.3	53.3	53.[illegible]	[illegible]	53.[illegible]	53.[illegible]
6000	44.7	[illegible]	51.1	52.[illegible]	53.[illegible]	53.[illegible]	54.[illegible]	54.[illegible]	54.[illegible]	[illegible]
5000	[illegible]	[illegible]	[illegible]	57.1	58.4	58.4	58.7	[illegible]	[illegible]	[illegible]
4500	[illegible]	[illegible]	[illegible]	53.7	53.[illegible]	53.1	[illegible]	[illegible]	[illegible]	[illegible]
4000	[illegible]	57.[illegible]	[illegible]	64.7	67.1	69.[illegible]	70.3	71.3	71.[illegible]	71.[illegible]
3500	[illegible]	61.3	[illegible]	68.7	71.3	74.4	74.[illegible]	74.[illegible]	75.1	75.1
3000	[illegible]	[illegible]	[illegible]	73.7	76.[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
2500	[illegible]	[illegible]	[illegible]	78.[illegible]	[illegible]	82.[illegible]	82.[illegible]	[illegible]	[illegible]	[illegible]
2000	[illegible]	[illegible]	[illegible]	79.1	81.3	85.9	[illegible]	[illegible]	[illegible]	[illegible]
1800	[illegible]	[illegible]	[illegible]	79.7	[illegible]	86.6	86.7	87.[illegible]	[illegible]	[illegible]
1500	[illegible]	71.[illegible]	[illegible]	84.1	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1200	[illegible]	[illegible]	91.[illegible]	[illegible]	93.3	[illegible]	91.2	[illegible]	91.[illegible]	[illegible]
1000	[illegible]	[illegible]	91.[illegible]	95.3	91.[illegible]	92.2	93.[illegible]	[illegible]	[illegible]	[illegible]
900	[illegible]	[illegible]	[illegible]	96.7	92.5	93.8	93.7	[illegible]	94.3	94.
800	[illegible]	71.1	[illegible]	[illegible]	97.2	93.1	93.4	94.4	[illegible]	[illegible]
700	[illegible]	71.3	72.7	[illegible]	97.7	93.7	94.1	95.1	95.3	[illegible]
600	[illegible]	71.3	72.7	[illegible]	98.1	94.3	94.4	95.4	96.[illegible]	96.
500	[illegible]	71.3	72.7	93.1	98.1	94.5	95.1	95.3	97.3	97.5
400	[illegible]	71.3	72.7	93.2	98.2	94.7	95.4	95.3	97.7	98.1
300	[illegible]	71.3	72.7	93.2	98.2	94.7	95.4	95.3	97.7	[illegible]
200	[illegible]	71.3	72.7	93.2	98.2	94.7	95.4	95.3	97.7	98.1
100	[illegible]	71.3	72.7	93.2	98.2	94.7	95.4	95.3	97.7	[illegible]
0	[illegible]	71.3	72.7	93.2	98.2	94.7	95.4	95.3	97.7	[illegible]

TOTAL NUMBER OF OBSERVATIONS 939

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

[illegible] AFB UK PERIOD OF RECORD: JUL 75 - JUN 83
MONTH: OCT HOURS: 15-17

VISIBILITY IN METERS										
[illegible]	3E	3C	3B	6C	6F	6E	6D	6B	6E	6C
40	32	24	20	15	12	10	08	06	04	00
[illegible].1	25.1	25.3	25.3	25.4	25.4	25.4	25.4	25.4	25.4	25.4
35.7	35.7	35.9	35.9	37.0	37.0	37.0	37.0	37.0	37.0	37.0
[illegible]	35.9	37.1	37.1	37.2	37.2	37.2	37.2	37.2	37.2	37.2
[illegible]	35.9	37.1	37.1	37.2	37.2	37.2	37.2	37.2	37.2	37.2
37.2	37.2	37.4	37.4	37.5	37.5	37.5	37.5	37.5	37.5	37.5
39.4	39.4	39.6	39.6	39.7	39.7	39.7	39.7	39.7	39.7	39.7
44.1	44.1	44.3	44.3	44.4	44.4	44.4	44.4	44.4	44.4	44.4
[illegible].3	45.3	45.6	45.6	45.7	45.7	45.7	45.7	45.7	45.7	45.7
[illegible]	51.6	51.7	51.7	51.8	51.8	51.8	51.8	51.8	51.8	51.8
[illegible]	53.5	53.6	53.6	53.9	53.9	53.9	53.9	53.9	53.9	53.9
[illegible]	54.0	54.2	54.2	54.3	54.3	54.3	54.3	54.3	54.3	54.3
[illegible]	55.7	56.9	56.9	59.2	59.2	59.2	59.2	59.2	59.2	59.2
[illegible].1	63.4	63.7	63.7	64.0	64.0	64.0	64.0	64.0	64.0	64.0
[illegible]	72.3	72.5	72.5	73.9	73.9	73.9	73.9	73.9	73.9	73.9
[illegible]	74.[illegible]	75.1	75.1	75.4	75.4	75.4	75.4	75.4	75.4	75.4
[illegible]	[illegible]	[illegible]	[illegible]	81.2	81.2	81.2	81.2	81.2	81.2	81.2
[illegible]	32.9	33.1	33.1	33.4	33.4	33.4	33.4	33.4	33.4	33.4
[illegible]	35.3	35.6	35.6	35.9	35.9	35.9	35.9	35.9	35.9	35.9
[illegible].7	37.1	37.3	37.3	37.5	37.5	37.5	37.5	37.5	37.5	37.5
[illegible].5	39.0	39.2	39.2	39.6	39.6	39.6	39.6	39.6	39.6	39.6
[illegible]	91.2	91.4	91.4	91.8	91.8	91.8	91.8	91.8	91.8	91.8
[illegible].2	93.2	93.4	93.6	93.9	93.9	93.9	93.9	93.9	93.9	93.9
[illegible]	93.7	94.2	94.3	94.6	94.6	94.6	94.6	94.6	94.6	94.6
[illegible]	94.4	95.1	95.2	95.5	95.5	95.5	95.5	95.5	95.5	95.5
96.1	95.1	95.9	95.9	96.3	96.3	96.3	96.3	96.3	96.3	96.3
[illegible]	95.4	96.8	96.6	96.9	96.9	96.9	96.9	96.9	96.9	96.9
95.1	95.0	97.3	97.6	98.3	98.4	98.5	98.5	98.5	98.5	98.5
95.4	95.3	97.7	98.1	98.9	99.0	99.1	99.1	99.1	99.1	99.1
[illegible]	95.3	97.7	98.1	99.0	99.2	99.4	99.4	99.4	99.4	99.4
95.4	95.3	97.7	98.1	99.0	99.4	99.5	99.7	99.7	99.7	100.0
95.4	95.3	97.7	98.1	99.0	99.4	99.5	99.7	99.7	99.7	100.0
95.4	95.3	97.7	98.1	99.0	99.4	99.5	99.7	99.7	99.7	100.0

OPERATING LOCATION MAP
USARPTAC, ASHEVILLE, NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEIL
[illegible] HOURLY OBSERVATIONS

STATION NUMBER: 36553 STATION NAME: UPPER HEYWARD RAP UK [illegible]
LST TO UTC: - 0 [illegible]

CEILING IN FEET	VISIBILITY IN METERS 112	93	80	60	48	40	32	24	20	16
NO CEIL	[illegible]	31.2	35.2	35.7	36.0	37.2	37.6	[illegible]	[illegible]	[illegible]
GE 20000	37.2	[illegible]	42.9	43.5	44.0	45.2	45.4	45.5	45.5	45.7
GE 18000	37.2	[illegible]	42.9	43.5	44.0	45.2	45.4	45.0	45.0	45.0
GE 15000	37.2	[illegible]	42.9	43.5	44.0	45.2	45.4	[illegible]	[illegible]	[illegible]
GE 14000	37.4	[illegible]	43.1	43.7	45.0	45.3	45.5	45.1	45.1	45.1
GE 12000	[illegible]	[illegible]	44.3	45.0	46.3	45.5	46.[illegible]	47.4	47.4	47.4
GE 10000	[illegible]	41.4	47.1	48.0	49.3	49.6	49.[illegible]	50.4	50.4	[illegible]
GE 9000	[illegible]	[illegible]	[illegible]	49.8	49.[illegible]	51.1	51.5	51.7	52.2	52.2
GE 8000	[illegible]	[illegible]	54.2	55.0	55.4	55.7	55.[illegible]	57.5	57.[illegible]	7.[illegible]
GE 7000	[illegible]	[illegible]	55.[illegible]	56.3	57.7	58.0	58.2	58.[illegible]	59.[illegible]	59.[illegible]
GE 6000	[illegible]	[illegible]	[illegible]	55.7	58.1	58.4	59.7	59.2	59.2	[illegible]
GE 5000	[illegible]	[illegible]	[illegible]	59.5	60.5	61.0	61.5	61.7	62.2	62.[illegible]
GE 4500	53.1	54.1	62.3	63.4	65.2	65.7	66.0	66.4	66.[illegible]	[illegible]
GE 4000	[illegible]	[illegible]	65.[illegible]	67.4	69.5	70.1	70.5	71.[illegible]	71.[illegible]	71.[illegible]
GE 3500	69.3	[illegible]	70.[illegible]	71.0	73.5	74.1	74.4	74.0	75.1	75.1
GE 3000	[illegible]	71.5	[illegible]	73.7	75.[illegible]	77.5	77.7	77.3	[illegible]	[illegible]
GE 2500	[illegible]	[illegible]	74.4	75.1	78.0	80.0	[illegible]	[illegible]	81.2	1.2
GE 2000	75.4	[illegible]	77.4	[illegible]	[illegible]	83.2	[illegible]	84.2	[illegible]	[illegible]
GE 1500	[illegible]	[illegible]	77.5	79.0	82.2	83.3	[illegible]	[illegible]	84.7	84.7
GE 1000	[illegible]	[illegible]	78.0	[illegible]	84.2	85.4	86.0	86.0	87.0	7.0
GE 500	[illegible]	[illegible]	[illegible]	82.5	85.0	[illegible]	[illegible]	88.7	89.0	89.1
GE 300	[illegible]	79.1	81.3	83.5	88.4	88.7	90.5	91.4	91.7	91.[illegible]
GE 200	69.1	79.4	82.2	84.1	89.1	90.5	91.4	92.0	92.5	92.[illegible]
GE 150	70.1	71.4	83.3	85.1	90.2	91.5	92.0	93.3	94.2	94.4
GE 100	70.1	71.4	83.3	85.1	90.2	91.5	93.2	94.2	94.5	94.[illegible]
GE 50	70.3	71.5	83.6	85.6	91.1	92.5	94.2	95.0	95.0	95.2
GE 400	70.5	71.9	84.1	86.1	91.5	93.0	94.7	95.8	97.0	97.[illegible]
GE 300	70.5	71.9	84.2	86.3	91.9	93.3	95.0	96.6	97.7	98.5
GE 200	70.5	71.9	84.2	86.3	91.9	93.3	95.0	96.7	97.[illegible]	98.[illegible]
GE 150	70.5	71.9	84.2	86.3	91.9	93.3	95.2	96.5	98.0	98.[illegible]
GE 100	70.5	71.9	84.2	86.3	91.9	93.3	95.3	96.9	98.1	99.0
GE 000	70.5	71.9	84.2	86.3	91.9	93.3	95.3	96.9	98.1	99.0

TOTAL NUMBER OF OBSERVATIONS 929

NTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

NAR WEYFORD RAF UK — PERIOD OF RECORD: JUL 73 - JUN 83
MONTH: OCT HOURS: 18-20

VISIBILITY IN METERS										
GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
37.2	37.5	38.0	38.0	38.0	38.0	38.1	38.1	38.1	38.1	38.1
45.2	45.4	46.0	46.0	46.0	46.0	46.1	46.1	46.1	46.1	46.1
45.2	45.4	46.0	46.0	46.0	46.0	46.1	46.1	46.1	46.1	46.1
45.2	45.4	46.0	46.0	46.0	46.0	46.1	46.1	46.1	46.1	46.1
45.3	45.5	46.1	46.1	46.1	46.1	46.2	46.2	46.2	46.2	46.2
45.5	46.3	47.4	47.4	47.4	47.4	47.5	47.5	47.5	47.5	47.5
49.5	49.2	50.4	50.4	50.4	50.4	50.5	50.5	50.5	50.5	50.5
51.5	51.7	52.2	52.2	52.2	52.2	52.3	52.3	52.3	52.3	52.3
55.7	55.9	57.5	57.5	57.5	57.5	57.6	57.6	57.6	57.6	57.6
58.0	58.2	58.8	58.8	58.8	58.8	58.9	58.9	58.9	58.9	58.9
58.4	58.7	59.2	59.2	59.2	59.2	59.3	59.3	59.3	59.3	59.3
61.5	61.7	62.2	62.3	62.3	62.3	62.4	62.4	62.4	62.4	62.4
65.7	65.9	66.4	66.5	66.5	66.5	66.6	66.6	66.6	66.6	66.6
70.1	70.3	70.8	71.0	71.0	71.0	71.2	71.2	71.2	71.2	71.2
74.1	74.4	74.9	75.1	75.1	75.1	75.2	75.2	75.2	75.2	75.2
77.5	77.7	78.3	78.5	78.5	78.5	78.6	78.6	78.6	78.6	78.6
80.0	80.4	80.9	81.2	81.2	81.2	81.3	81.3	81.3	81.3	81.3
83.2	83.6	84.2	84.4	84.4	84.4	84.5	84.5	84.5	84.5	84.5
83.3	83.7	84.5	84.7	84.7	84.7	84.8	84.8	84.8	84.8	84.8
85.4	86.0	86.9	87.2	87.2	87.2	87.3	87.3	87.3	87.3	87.3
88.1	88.8	89.7	90.0	90.1	90.1	90.2	90.2	90.2	90.2	90.2
89.7	90.5	91.4	91.7	91.8	91.8	91.9	91.9	91.9	91.9	91.9
90.5	91.4	92.2	92.6	92.8	92.8	92.9	92.9	92.9	92.9	92.9
91.5	92.9	93.8	94.2	94.4	94.4	94.5	94.5	94.5	94.5	94.5
91.5	93.2	94.2	94.6	94.8	94.8	94.9	94.9	94.9	94.9	94.9
92.5	94.2	95.2	96.0	96.2	96.2	96.3	96.3	96.3	96.3	96.3
93.0	94.7	95.8	97.0	97.3	98.0	98.1	98.3	98.3	98.3	98.3
93.3	95.0	96.6	97.7	98.6	98.7	98.8	99.0	99.0	99.0	99.0
93.3	95.0	96.7	97.8	98.6	98.9	99.0	99.2	99.2	99.2	99.2
93.3	95.2	96.8	98.0	98.9	99.0	99.2	99.5	99.5	99.5	99.5
93.3	95.3	96.9	98.1	99.0	99.1	99.4	99.6	99.6	99.7	100.0
93.3	95.3	96.9	98.1	99.0	99.1	99.4	99.6	99.6	99.7	100.0

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEI
FROM HOURLY OBSERVATIONS

STATION NUMBER: 35563 STATION NAME: UPPER HEYFORD RAF UK PERIOD
LST TO UTC: - 0 MONTH:

CEILING IN FEET	VISIBILITY IN METERS 6SF 1112	5SF 9[illegible]	4SF 80	3SF 60	2SF 48	1SF 40	1SC 32	1SF 24	0SF 20	0SC 16
NO CEIL	32.5	33.2	37.4	38.2	41.0	41.0	41.6	42.5	42.5	42.5
5F 20000	37.2	38.3	43.1	44.0	47.0	47.0	47.6	48.5	48.5	48.5
5F 15000	37.2	38.3	43.1	44.0	47.0	47.0	47.6	48.5	48.5	48.5
5F 10000	37.2	38.3	43.1	44.0	47.0	47.0	47.6	48.5	48.5	48.5
5F 14000	37.3	38.1	43.2	44.1	47.1	47.1	47.7	48.6	48.6	48.6
5F 12000	37.4	38.2	43.5	44.5	47.5	47.5	48.2	49.0	49.0	49.0
5F 10000	38.3	40.2	45.0	47.1	50.4	50.5	51.2	52.0	52.0	52.0
5F 9000	40.3	41.5	46.6	47.6	51.0	51.1	51.7	52.6	52.6	52.6
5F 8000	43.2	44.4	51.1	52.2	55.0	55.1	55.9	57.4	57.5	57.5
5F 7000	44.5	45.7	52.5	53.5	57.4	57.5	58.2	59.0	59.0	59.0
5F 6000	44.7	45.9	52.9	54.1	58.0	58.1	58.7	59.4	59.5	59.5
5F [illegible]	46.7	47.4	55.3	56.3	60.4	60.5	61.2	62.0	62.0	62.0
5F 4500	48.4	49.2	58.2	59.0	64.5	64.6	65.3	66.1	66.1	66.1
5F 4000	52.1	52.9	62.7	64.0	68.4	69.0	69.7	70.6	71.4	71.6
5F 3500	53.3	54.5	64.7	66.1	73.5	71.2	71.6	72.7	72.9	73.1
5F 3000	55.3	56.1	67.2	68.3	73.4	74.1	74.7	75.6	75.9	76.1
5F 2500	56.3	57.2	69.9	70.8	75.5	76.1	76.9	77.7	78.1	78.3
5F 2000	57.7	58.5	71.0	73.0	78.2	78.8	79.5	80.5	81.1	81.3
5F 1800	58.1	59.0	71.3	73.3	79.0	79.7	80.4	81.5	81.9	82.2
5F 1500	58.4	59.3	73.4	75.5	81.5	82.3	83.0	84.2	84.7	84.9
5F 1200	60.5	61.2	74.6	77.0	83.5	84.3	85.2	86.8	87.1	87.3
5F 1000	61.3	61.9	76.0	78.4	86.5	86.2	87.1	88.4	88.8	88.9
5F 900	61.1	62.2	76.5	78.9	86.2	87.2	88.1	89.5	89.1	89.3
5F 800	61.8	62.9	77.5	80.1	87.7	89.0	90.0	91.4	92.0	92.3
5F 700	62.4	63.0	78.0	81.5	89.1	90.4	91.5	92.9	93.6	94.1
5F 600	63.0	64.1	79.2	81.9	89.9	91.2	92.3	94.0	94.3	95.2
5F 500	63.4	64.5	79.3	82.7	90.9	92.6	93.9	95.9	97.1	97.6
5F 400	63.4	64.5	79.3	82.7	90.9	92.6	94.0	95.6	97.5	98.4
5F 300	63.4	64.5	79.3	82.7	90.9	92.6	94.0	95.6	97.7	98.6
5F 200	63.4	64.5	79.3	82.7	90.9	92.6	94.0	95.6	98.3	98.8
5F 100	63.4	64.5	79.3	82.7	90.9	92.6	94.0	95.6	98.1	98.9
5F 000	63.4	64.5	79.3	82.7	90.9	92.6	94.0	95.3	98.1	98.9

TOTAL NUMBER OF OBSERVATIONS 930

TAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

HEYFORD RAF UK PERIOD OF RECORD: JUL 78 - JUN 88
MONTH: OCT HOURS: 21-23

VISIBILITY IN METERS										
GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
41.0	41.6	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5
47.0	47.6	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5
47.0	47.6	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5
47.0	47.6	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5
47.1	47.7	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6
47.5	48.2	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0
50.5	51.2	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0
51.1	51.7	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6
55.1	55.3	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6
57.5	58.2	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0
58.1	58.7	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6
60.5	61.2	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0
64.5	65.3	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1
69.0	69.7	70.5	70.5	71.0	71.0	71.0	71.0	71.0	71.0	71.0
71.2	71.5	72.7	72.9	73.1	73.1	73.1	73.1	73.1	73.1	73.1
74.1	74.7	75.5	75.9	76.1	76.1	76.1	76.1	76.1	76.1	76.1
76.1	76.9	77.7	78.1	78.3	78.3	78.3	78.3	78.3	78.3	78.3
79.8	79.5	80.6	81.1	81.3	81.3	81.3	81.3	81.3	81.3	81.3
79.7	80.4	81.5	81.9	82.2	82.2	82.2	82.2	82.2	82.2	82.2
82.3	83.0	84.2	84.7	84.9	84.9	84.9	84.9	84.9	84.9	84.9
84.3	85.2	86.5	87.1	87.3	87.3	87.3	87.3	87.3	87.3	87.3
86.2	87.1	88.4	89.0	89.2	89.4	89.4	89.4	89.4	89.4	89.4
87.2	88.1	89.5	90.1	90.3	90.4	90.4	90.4	90.4	90.4	90.4
89.0	90.0	91.4	92.0	92.3	92.4	92.4	92.4	92.4	92.4	92.7
90.4	91.5	92.9	93.8	94.1	94.2	94.2	94.2	94.2	94.2	94.5
91.2	92.3	94.0	94.8	95.2	95.3	95.3	95.3	95.3	95.3	95.6
92.6	93.9	95.9	97.1	97.6	97.7	97.7	97.7	97.7	97.7	98.1
92.6	94.0	96.3	97.5	98.4	98.5	98.5	98.5	98.5	98.5	98.8
92.6	94.0	96.6	97.7	98.6	98.7	98.8	98.8	98.8	98.9	99.2
92.6	94.0	96.8	98.0	98.8	98.9	99.0	99.0	99.0	99.1	99.5
92.6	94.0	96.8	98.1	98.9	99.0	99.1	99.2	99.2	99.4	99.9
92.6	94.0	96.8	98.1	98.9	99.0	99.1	99.2	99.2	99.4	100.0

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE, NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEIL
FROM HOURLY OBSERVATIONS

STATION NUMBER: 3[illegible]5[illegible]3 STATION NAME: UPPER HEYFORD RAF UK PERIOD
LST TO UTC: - 0 MONTH: [illegible]

CEILING IN FEET	VISIBILITY IN METERS 112	96	80	60	48	40	32	24	20	16
NO CEIL	24.[illegible]	28.2	29.1	30.1	32.0	32.4	32.[illegible]	33.4	33.7	33.[illegible]
GE 20000	30.[illegible]	31.1	35.3	36.9	38.1	39.[illegible]	37.[illegible]	40.5	40.[illegible]	41.0
GE 18000	30.5	31.2	35.0	37.0	38.2	39.5	39.[illegible]	40.5	40.9	41.1
GE 15000	30.[illegible]	31.2	35.9	37.0	38.2	39.5	39.[illegible]	40.5	40.9	41.1
GE 14000	30.6	31.3	35.0	37.1	38.3	39.5	40.0	40.7	41.0	41.2
GE 12000	31.3	31.2	35.9	37.0	40.2	40.6	40.9	41.6	41.9	42.1
GE 10000	34.2	34.9	40.2	41.4	43.[illegible]	44.3	44.7	45.5	45.7	45.[illegible]
GE 9000	35.0	35.7	41.2	42.5	44.9	45.4	45.[illegible]	46.5	46.9	47.1
GE 8000	37.3	38.[illegible]	45.3	46.7	49.4	50.0	50.4	51.2	51.5	51.[illegible]
GE 7000	38.3	39.6	46.3	47.7	50.8	51.0	51.5	52.3	52.7	52.9
GE 6000	39.4	40.1	46.5	48.4	51.2	51.4	52.3	53.1	53.4	53.7
GE 5000	42.0	42.7	49.0	51.5	54.5	55.1	55.5	56.4	56.[illegible]	7.1
GE 4500	44.7	45.5	53.2	54.9	57.1	58.9	58.3	60.2	60.5	6[illegible]
GE 4000	47.[illegible]	48.7	56.7	58.5	62.4	63.2	63.7	64.8	65.3	65.7
GE 3500	49.6	50.5	59.1	61.2	65.2	66.1	66.7	67.5	68.2	68.7
GE 3000	52.8	53.8	62.5	64.7	69.2	70.1	70.7	72.0	72.[illegible]	72.[illegible]
GE 2500	53.7	54.7	64.2	66.5	71.3	72.2	73.0	74.3	74.[illegible]	75.[illegible]
GE 2000	55.4	56.3	66.8	69.2	74.1	75.2	76.1	77.5	78.1	78.7
GE 1800	55.6	56.5	66.3	69.5	74.5	75.7	76.5	78.0	78.5	79.2
GE 1500	56.7	57.7	68.9	71.3	76.6	77.9	78.9	80.4	81.0	81.5
GE 1200	57.[illegible]	58.[illegible]	70.0	73.0	78.9	80.2	81.4	82.9	83.4	84.2
GE 1000	58.6	59.7	71.4	74.6	80.9	82.3	83.5	85.3	86.0	86.6
GE 900	58.9	60.0	71.[illegible]	75.0	81.6	83.2	84.6	86.4	87.1	87.7
GE 800	59.5	60.6	72.3	76.1	82.9	84.6	86.2	88.0	88.6	89.4
GE 700	59.8	60.9	73.2	76.7	83.7	85.4	87.1	89.1	89.9	90.7
GE 600	60.[illegible]	61.1	73.6	77.2	84.3	86.1	87.9	90.0	90.8	91.6
GE 500	60.4	61.5	74.2	77.8	85.4	87.3	89.3	91.7	92.7	93.7
GE 400	60.4	61.5	74.3	78.0	85.9	87.7	89.8	92.5	93.5	94.7
GE 300	60.4	61.5	74.3	78.0	85.9	87.8	89.9	92.7	93.8	95.1
GE 200	60.4	61.5	74.3	78.0	85.9	87.8	90.0	92.8	94.0	95.3
GE 100	60.4	61.5	74.3	78.0	85.9	87.8	90.0	92.9	94.0	95.4
GE 000	60.4	61.5	74.3	78.0	85.9	87.8	90.0	92.9	94.0	95.4

TOTAL NUMBER OF OBSERVATIONS 7439

CENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

[illegible] HEYFORD RAF UK PERIOD OF RECORD: JUL 76 - JUN 88
MONTH: OCT HOURS: ALL

VISIBILITY IN METERS										
GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
32.4	32.8	33.4	33.7	33.8	34.0	34.0	34.0	34.2	34.3	34.7
39.5	39.8	40.5	40.8	41.0	41.2	41.3	41.3	41.4	41.7	42.1
39.5	39.9	40.6	40.9	41.1	41.3	41.3	41.4	41.5	41.8	42.2
39.5	39.9	40.6	40.9	41.1	41.3	41.3	41.4	41.5	41.8	42.2
39.6	40.0	40.7	41.0	41.2	41.4	41.4	41.5	41.6	41.9	42.3
40.6	40.9	41.6	41.9	42.1	42.3	42.4	42.4	42.6	42.8	43.2
44.3	44.7	45.5	45.7	46.0	46.1	46.2	46.2	46.4	46.7	47.1
45.4	45.8	46.6	46.9	47.1	47.3	47.3	47.4	47.6	47.8	48.2
50.0	50.4	51.2	51.5	51.8	52.0	52.1	52.1	52.3	52.6	52.9
51.0	51.5	52.3	52.7	52.9	53.1	53.2	53.2	53.4	53.7	54.0
51.4	52.3	53.1	53.4	53.7	53.9	54.0	54.0	54.2	54.5	54.8
55.1	55.5	56.4	56.2	57.1	57.3	57.3	57.4	57.6	57.9	58.2
59.9	59.3	60.2	60.5	60.9	61.1	61.2	61.2	61.4	61.7	62.1
63.2	63.7	64.8	65.3	65.7	66.0	66.0	66.1	66.3	66.6	67.0
68.1	68.7	67.5	68.2	68.7	68.9	69.0	69.1	69.3	69.6	69.9
70.1	70.7	72.0	72.[illegible]	72.9	73.2	73.3	73.3	73.5	73.8	74.2
72.2	73.0	74.3	74.8	75.3	75.5	75.6	75.7	75.9	76.2	76.6
75.2	76.1	77.5	78.1	78.7	79.0	79.1	79.1	79.3	79.6	80.0
75.7	76.5	78.0	78.5	79.2	79.5	79.6	79.6	79.8	80.1	80.5
77.9	78.9	80.4	81.0	81.5	81.9	82.0	82.1	82.3	82.6	83.0
83.2	83.4	82.9	83.6	84.2	84.5	84.6	84.7	84.9	85.2	85.6
82.3	83.5	85.3	86.0	86.6	87.0	87.1	87.2	87.4	87.7	88.1
83.2	84.6	86.4	87.1	87.7	88.1	88.2	88.3	88.5	88.8	89.2
84.5	85.2	88.0	88.8	89.4	89.9	90.0	90.1	90.4	90.7	91.1
85.4	87.1	89.1	89.9	90.7	91.1	91.3	91.4	91.6	91.9	92.4
86.1	87.8	90.0	90.8	91.6	92.1	92.3	92.4	92.6	92.9	93.5
87.3	89.3	91.7	92.7	93.7	94.3	94.5	94.6	94.9	95.2	95.8
87.7	89.8	92.5	93.5	94.7	95.4	95.6	95.8	96.1	96.5	97.1
87.8	89.9	92.7	93.8	95.1	95.9	96.2	96.5	96.9	97.3	98.1
87.8	90.0	92.8	94.0	95.3	96.1	96.5	96.8	97.3	97.8	98.6
87.8	90.0	92.9	94.0	95.4	96.3	96.6	97.0	97.6	98.3	99.6
87.8	90.0	92.9	94.0	95.4	96.3	96.6	97.0	97.6	98.3	100.0

OPERATING LOCATION "A" PERCENTAGE FREQUENCY OF OCCURRENCE OF CEI
USAFETAC, ASHEVILLE NC FROM HOURLY OBSERVATIONS

STATION NUMBER: 36553 STATION NAME: UPPER HEYFORD RAF UK PERIOD
LST TO UTC: - 0 MONTH:

CEILING IN FEET	VISIBILITY IN METERS GE 112	GE 80	GE 50	GE 40	GE 40	GE 40	GE 32	GE 24	GE 20	GE 16
NO CEIL	27.9	27.9	30.5	31.3	33.1	33.5	34.7	35.5	35.9	35.9
GE 20000	29.4	29.5	32.3	33.3	35.4	35.7	36.9	37.7	38.2	38.2
GE 18000	29.5	29.5	32.3	33.3	35.4	35.7	36.9	37.7	38.2	38.2
GE 16000	29.5	29.5	32.3	33.3	35.4	35.7	36.9	37.7	38.2	38.2
GE 14000	29.5	29.5	32.3	33.3	35.4	35.7	36.9	37.7	38.2	38.2
GE 12000	29.7	29.8	32.6	34.2	35.7	36.0	37.3	38.1	38.5	38.5
GE 10000	31.1	31.3	34.3	36.3	37.6	37.9	39.2	40.0	40.4	40.4
GE 8000	31.6	31.7	34.7	36.3	38.1	38.5	39.7	40.5	41.0	41.0
GE 6000	34.3	34.2	37.7	39.3	41.1	41.5	42.7	43.8	44.0	44.5
GE 7000	35.2	35.4	39.0	40.5	42.3	42.7	44.0	45.0	45.4	45.7
GE 6000	35.4	35.7	39.3	40.8	42.6	43.1	44.3	45.4	45.9	46.2
GE 5000	37.4	37.8	41.5	43.3	45.2	45.6	46.9	48.2	48.8	48.1
GE 4500	41.7	42.2	46.2	48.3	50.4	51.1	52.7	54.0	54.5	54.9
GE 4000	43.9	44.3	48.6	51.5	53.7	54.4	55.4	57.9	58.5	58.4
GE 3500	45.5	46.1	51.1	53.9	56.1	57.0	59.5	60.5	61.3	61.5
GE 3000	48.4	49.9	54.5	57.5	59.9	60.9	63.1	64.6	65.4	65.7
GE 2500	49.3	49.9	55.7	58.7	61.3	62.3	64.5	66.1	66.9	67.2
GE 2000	51.2	51.8	57.8	60.9	63.5	64.5	66.9	68.4	69.2	69.5
GE 1800	51.8	52.3	58.5	61.6	64.2	65.2	67.5	69.1	69.9	70.2
GE 1500	54.3	55.4	62.2	65.3	67.9	68.9	71.2	73.4	74.2	74.5
GE 1200	56.7	57.4	65.2	68.5	71.5	72.5	74.9	77.2	78.0	78.3
GE 1000	58.1	59.5	67.5	71.0	74.2	75.4	77.8	80.4	81.1	81.5
GE 900	58.4	59.9	68.0	71.4	74.8	76.0	78.3	80.9	81.7	82.0
GE 800	58.5	59.4	69.0	72.7	76.2	77.5	80.1	82.8	83.8	84.2
GE 700	58.5	59.4	69.0	72.8	76.6	78.5	80.4	83.5	84.5	84.8
GE 600	58.5	59.4	69.0	72.5	76.9	78.8	81.1	83.8	84.5	85.2
GE 500	59.0	59.8	69.9	73.7	78.3	80.4	83.1	85.3	87.8	88.5
GE 400	59.0	59.8	69.9	73.7	78.3	80.4	83.3	86.5	88.3	89.6
GE 300	59.0	59.8	69.9	73.7	78.3	80.4	83.4	86.8	89.6	90.1
GE 200	59.0	59.8	69.9	73.7	78.3	80.4	83.4	86.8	89.0	90.6
GE 100	59.0	59.8	69.9	73.7	78.3	80.4	83.4	86.8	89.1	90.4
GE 000	59.0	59.8	69.9	73.7	78.3	80.4	83.4	86.8	89.1	90.4

TOTAL NUMBER OF OBSERVATIONS 896

FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

RAF UK PERIOD OF RECORD: JUL 78 - JUN 88
MONTH: NOV HOURS: 00-02

CEILING IN METERS GE 30	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
34.7	35.5	35.9	36.0	36.2	36.5	37.1	37.3	37.8	39.1
35.9	37.7	38.2	38.2	38.4	38.7	39.3	39.5	40.1	41.3
35.9	37.7	38.2	38.2	38.4	38.7	39.3	39.5	40.1	41.3
35.9	37.7	38.2	38.2	38.4	38.7	39.3	39.5	40.1	41.3
35.9	37.7	38.2	38.2	38.4	38.7	39.3	39.5	40.1	41.3
37.3	38.1	38.5	38.5	38.7	39.1	39.6	39.8	40.4	41.6
39.2	40.0	40.4	40.4	40.6	41.0	41.5	41.7	42.3	43.5
39.7	40.5	41.0	41.3	41.5	41.9	42.4	42.6	43.2	44.4
42.7	43.8	44.2	44.5	44.8	45.1	45.6	45.9	46.4	47.7
44.0	45.0	45.4	45.8	45.0	46.3	46.9	47.1	47.7	48.9
44.3	45.4	45.9	46.2	46.4	46.8	47.3	47.5	48.1	49.3
48.9	49.2	49.8	49.1	49.3	49.7	50.2	50.4	51.0	52.2
52.7	54.0	54.6	54.9	55.1	55.5	56.0	56.3	56.8	58.0
55.4	57.9	58.6	58.9	59.2	59.6	60.2	60.4	60.9	62.2
59.9	60.5	61.3	61.5	61.8	62.3	62.8	63.1	63.7	65.0
63.1	64.6	65.4	65.7	66.0	66.4	67.0	67.2	67.9	69.1
64.5	66.1	66.9	67.2	67.4	68.0	68.5	68.8	69.4	70.6
66.9	68.4	69.2	69.5	69.8	70.3	70.9	71.1	71.8	73.0
67.5	69.1	69.9	70.2	70.4	71.0	71.5	71.8	72.4	73.7
71.2	73.4	74.2	74.6	74.8	75.3	75.9	76.1	76.8	78.0
74.9	77.2	78.0	78.3	78.7	79.2	79.8	80.0	80.7	81.9
77.8	80.4	81.1	81.5	81.8	82.4	82.9	83.1	83.8	85.0
78.3	80.9	81.7	82.0	82.4	82.9	83.5	83.7	84.4	85.6
80.1	82.8	83.3	84.2	84.5	85.0	85.5	85.8	86.5	87.7
80.8	83.5	84.5	84.8	85.3	85.8	86.4	86.6	87.3	88.5
81.1	83.8	84.8	85.2	85.6	86.2	86.7	86.9	87.6	88.8
83.1	85.3	87.8	88.6	89.2	89.7	90.3	90.6	91.3	92.5
83.3	86.5	88.3	89.6	90.3	90.8	91.5	91.9	92.5	93.8
83.4	85.8	88.6	90.1	91.2	91.9	92.5	92.9	93.5	94.8
83.4	86.8	89.0	90.6	92.2	93.1	94.0	94.6	95.6	97.3
83.4	86.8	89.1	90.8	92.6	93.5	94.5	95.3	96.5	99.9
83.4	86.8	89.1	90.8	92.6	93.5	94.5	95.3	96.5	100.0

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF
FROM HOURLY OBSERVATION

STATION NUMBER: 36553 STATION NAME: UPPER HEYFORD RAF UK PERI
LST TO UTC: - 0 MONT

CEILING IN FEET	VISIBILITY IN METERS 50	45	40	35	30	25	20	15	10	5
	112	90	80	60	48	40	32	24	20	16
NO CEIL	26.2	26.7	28.8	30.2	31.1	32.1	32.4	32.7	33.0	33.
GE 20000	26.2	28.7	31.0	32.5	33.4	34.4	34.9	35.3	35.5	35.
GE 18000	26.2	28.7	31.0	32.5	33.4	34.4	34.9	35.3	35.5	35.
GE 16000	26.2	28.7	31.0	32.5	33.4	34.4	34.9	35.3	35.5	35.
GE 14000	26.2	28.7	31.0	32.5	33.4	34.4	34.9	35.3	35.5	35.
GE 12000	26.3	28.8	31.1	32.5	33.5	34.5	35.1	35.4	35.7	36.
GE 10000	29.3	28.7	32.1	33.5	34.5	35.5	35.5	36.5	37.0	37.
GE 9000	29.5	32.8	32.8	33.9	34.9	35.9	35.5	37.0	37.3	37.
GE 8000	32.7	32.9	35.7	37.2	38.1	39.2	39.9	40.2	40.5	41.
GE 7000	33.0	33.5	35.3	37.7	38.5	39.5	40.4	40.5	41.1	41.
GE 6000	33.5	33.9	35.7	38.2	39.1	40.2	40.9	41.2	41.5	42.
GE 5000	35.7	36.2	39.2	40.6	42.0	43.1	43.5	44.5	44.7	45.
GE 4500	40.2	40.6	44.0	45.6	46.9	48.4	48.9	48.7	50.1	50.
GE 4000	42.4	42.9	47.3	48.9	50.5	52.1	53.2	53.9	54.2	54.
GE 3500	43.4	43.9	48.3	49.9	51.7	53.3	54.4	55.5	55.7	56.
GE 3000	46.4	46.9	51.5	53.3	55.2	57.0	58.1	59.2	59.5	59.
GE 2500	47.4	48.3	53.0	54.9	56.8	58.6	59.7	60.9	61.3	62.
GE 2000	49.9	50.4	55.9	59.1	60.9	61.8	62.9	64.2	64.6	65.
GE 1800	50.5	51.0	56.6	59.3	60.7	62.5	63.5	64.7	65.5	66.
GE 1500	54.8	55.2	61.3	63.9	66.3	68.1	69.3	70.5	71.0	72.
GE 1200	56.5	57.0	64.1	66.9	69.3	71.2	72.5	73.9	74.4	75.
GE 1000	57.0	58.3	65.6	68.3	71.6	73.7	75.1	76.7	77.2	78.
GE 900	58.2	58.7	66.9	69.3	72.2	74.6	76.0	77.7	78.2	79.
GE 800	58.4	59.2	67.5	71.3	74.4	76.7	78.2	79.8	80.3	81.
GE 700	59.1	59.6	67.9	72.0	75.4	77.7	79.4	81.1	81.6	82.
GE 600	59.1	59.6	67.9	72.0	75.4	77.7	79.4	81.1	81.6	82.
GE 500	59.5	59.9	68.3	72.9	75.9	79.3	81.2	83.3	84.1	85.
GE 400	59.5	59.9	68.5	73.1	77.2	79.5	81.5	83.8	84.7	86.
GE 300	59.5	59.9	68.5	73.1	77.3	79.5	81.7	84.0	85.0	87.
GE 200	59.5	59.9	68.5	73.2	77.6	80.0	82.2	84.4	85.0	88.
GE 100	59.5	59.9	68.5	73.2	77.6	80.0	82.2	84.4	85.0	88.
GE 000	59.5	59.9	68.5	73.2	77.6	80.0	82.2	84.4	85.0	88.

TOTAL NUMBER OF OBSERVATIONS 893

AGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

HEYFORD RAF UK PERIOD OF RECORD: JUL 78 - JUN 88
MONTH: NOV HOURS: 03-05

VISIBILITY IN METERS										
GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
32.1	32.4	32.7	33.0	33.7	34.0	34.2	34.3	35.5	36.5	37.4
34.4	34.9	35.3	35.5	35.3	35.6	35.7	36.8	38.1	39.1	40.0
34.4	34.9	35.3	35.5	35.3	35.6	35.7	36.8	38.1	39.1	40.0
34.4	34.9	35.3	35.5	35.3	35.6	35.7	36.8	38.1	39.1	40.0
34.4	34.9	35.3	35.5	36.3	35.6	36.7	35.8	38.1	39.1	40.0
34.5	35.1	35.4	35.7	36.4	36.7	35.8	37.0	38.2	39.2	40.1
35.5	35.3	36.5	37.0	37.5	38.0	38.1	38.2	39.4	40.4	41.3
35.9	36.6	37.0	37.3	38.0	38.3	38.4	38.5	39.8	40.8	41.7
39.2	39.9	40.2	40.5	41.2	41.5	41.7	41.8	43.0	44.0	44.9
39.[illegible]	40.4	40.5	41.1	41.3	42.1	42.2	42.3	43.5	44.6	45.5
40.2	40.9	41.2	41.5	42.2	42.6	42.7	42.5	44.0	45.0	45.9
43.1	43.3	44.5	44.8	45.5	45.8	45.9	46.0	47.3	48.3	49.2
[illegible].4	47.0	48.7	50.1	50.7	51.1	51.3	51.4	52.6	53.6	54.5
[illegible].1	53.2	53.9	54.2	54.9	55.3	55.7	55.8	57.0	58.0	58.9
53.3	54.4	55.3	55.7	56.3	56.8	57.1	57.2	58.5	59.5	60.4
57.0	58.1	59.2	59.5	60.5	60.9	61.3	61.4	62.6	63.6	64.5
[illegible].5	59.7	60.9	61.3	62.3	62.7	63.2	63.3	64.5	65.5	66.5
61.8	62.9	64.2	64.6	65.6	65.1	66.5	66.6	67.9	68.9	69.9
62.5	63.5	64.8	65.3	66.3	66.7	67.2	67.3	68.5	69.5	70.5
69.1	69.3	70.5	71.0	72.0	72.5	72.9	73.0	74.2	75.3	76.3
71.2	72.5	73.9	74.4	75.4	75.8	76.3	76.4	77.5	78.5	79.5
73.7	75.1	76.7	77.2	78.3	78.7	79.2	79.3	80.5	81.5	82.5
74.5	76.0	77.7	78.2	79.3	79.7	80.2	80.3	81.5	82.5	83.5
76.7	78.2	79.8	80.3	81.5	82.1	82.5	82.6	83.9	84.9	85.9
77.7	79.4	81.1	81.5	82.8	83.5	84.0	84.2	85.4	86.5	87.5
77.7	79.4	81.1	81.5	82.9	83.7	84.1	84.3	85.6	86.5	87.6
79.3	81.2	83.3	84.1	86.1	87.0	87.7	88.0	89.4	90.4	91.4
79.5	81.5	83.8	84.7	86.8	87.8	88.6	88.9	90.4	91.4	92.4
79.5	81.7	84.0	85.0	87.1	88.2	89.0	89.4	90.9	92.2	93.2
80.0	82.2	84.4	86.0	88.5	89.9	90.8	91.2	93.1	94.6	96.5
80.0	82.2	84.4	86.0	88.6	90.3	91.2	91.5	94.0	96.0	99.1
80.0	82.2	84.4	86.0	88.6	90.3	91.2	91.5	94.0	96.0	100.0

OPERATING LOCATION "A"
USARETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF
FROM HOURLY OBSERVATIONS

STATION NUMBER: 36873 STATION NAME: UPPER HEYFORD RAF UK
LST TO UTC: - 0

CEILING IN FEET	VISIBILITY IN METERS 110	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
NO CEIL	21.[illegible]	22.1	25.0	25.4	26.7	27.3	27.5	23.1	23.4	2[illegible]
GE 20000	25.[illegible]	[illegible]	[illegible]	28.3	30.[illegible]	31.4	31.[illegible]	32.5	32.7	33.
GE 15000	25.[illegible]	[illegible]	23.6	28.3	30.[illegible]	31.4	31.[illegible]	32.5	32.7	33.
GE 14000	25.[illegible]	25.4	23.5	28.3	30.[illegible]	31.4	31.[illegible]	32.5	32.7	33.
GE 13000	25.[illegible]	25.4	26.7	29.4	31.3	31.5	31.3	32.5	32.[illegible]	33.
GE 12000	25.1	25.5	26.[illegible]	29.5	31.0	31.4	32.0	32.7	32.7	33.
GE 10000	25.4	[illegible]	30.5	31.1	32.7	33.3	33.[illegible]	34.5	34.7	35.
GE 9000	27.[illegible]	27.5	31.4	32.0	33.5	34.1	34.[illegible]	35.5	35.7	36.
GE 8000	27.[illegible]	30.4	34.7	35.4	37.0	37.5	37.3	38.0	38.4	39.
GE 7000	30.4	30.[illegible]	35.3	35.9	37.5	38.2	38.[illegible]	38.7	38.9	41.
GE 6000	30.7	31.1	35.[illegible]	36.3	37.9	38.5	39.2	40.0	40.3	4[illegible]
GE 5000	32.3	33.4	37.0	37.0	40.7	41.3	41.9	43.2	43.4	43.
GE 4500	34.5	37.0	41.5	42.9	44.7	45.5	45.3	47.5	47.[illegible]	[illegible]
GE 4000	34.9	39.4	44.6	45.5	49.1	49.1	49.9	51.3	51.5	[illegible]
GE 3500	39.7	43.[illegible]	49.2	46.5	48.3	49.9	50.7	52.5	52.[illegible]	53.
GE 3000	43.3	43.7	49.2	50.2	52.4	53.5	54.5	55.5	55.5	57.
GE 2500	43.9	45.6	49.2	51.4	54.1	55.3	56.2	57.9	[illegible]	58.
GE 2000	44.[illegible]	45.4	51.2	53.7	55.7	58.2	59.1	60.[illegible]	61.5	62.
GE 1500	45.7	46.2	52.1	54.5	57.5	59.9	60.[illegible]	61.7	62.4	63.
GE 1000	46.6	47.1	55.5	58.0	61.4	63.1	64.4	65.3	67.2	67.
GE 500	[illegible]	51.1	57.7	60.6	65.1	67.3	69.3	70.[illegible]	71.3	73.
GE 1000	52.[illegible]	53.4	60.5	63.7	63.5	70.5	71.4	74.0	75.[illegible]	75.
GE 900	53.5	54.1	61.5	65.0	70.2	72.[illegible]	73.5	75.[illegible]	75.[illegible]	77.
GE 800	54.2	54.7	63.1	67.2	72.9	75.0	75.3	73.5	73.5	[illegible]
GE 700	54.3	54.[illegible]	63.5	67.6	73.6	75.8	77.3	79.5	80.5	81.
GE 600	54.5	55.1	64.0	68.2	74.4	76.5	78.3	80.5	81.5	82.
GE 500	54.7	55.3	64.5	69.2	75.6	78.1	80.0	82.5	83.5	85.
GE 400	54.7	55.3	64.6	69.3	75.3	78.3	80.3	83.2	84.5	86.
GE 300	54.7	55.3	64.6	69.4	75.9	78.4	80.5	83.4	84.9	86.
GE 200	54.7	55.3	64.6	69.4	76.1	78.6	80.9	83.8	85.3	87.
GE 100	54.7	55.3	64.6	69.4	76.1	78.6	80.9	83.8	85.3	87.
GE 000	54.7	55.3	64.6	69.4	76.1	78.6	80.9	83.8	85.3	87.

TOTAL NUMBER OF OBSERVATIONS 800

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

UPPER HEYFORD RAF UK — PERIOD OF RECORD: JUL 74 - JUN 84
MONTH: NOV HOURS: 06-08

	VISIBILITY IN METERS										
	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 6	GE 4	GE 0
.7	27.3	27.5	28.1	28.4	29.7	29.9	29.1	29.3	29.7	30.7	32.5
.	31.4	31.6	32.5	32.7	33.0	33.4	33.5	33.7	34.3	35.3	37.0
.	31.4	31.5	32.6	32.7	33.0	33.4	33.5	33.7	34.3	35.3	37.0
.	31.4	31.6	32.6	32.7	33.0	33.4	33.5	33.7	34.3	35.3	37.0
.	31.5	31.9	32.6	32.9	33.1	33.5	33.5	33.9	34.4	35.4	37.2
.	31.6	32.0	32.7	32.9	33.3	33.6	33.7	33.9	34.5	35.5	37.3
.7	33.3	33.5	34.5	34.7	35.0	35.4	35.5	35.7	36.3	37.3	39.0
.	34.1	34.3	35.5	35.7	36.0	36.4	36.5	36.7	37.3	38.3	40.0
.	37.6	38.3	39.0	39.4	39.6	39.9	40.0	40.4	40.9	41.9	43.7
.	38.2	38.9	39.7	39.9	40.4	40.7	40.8	41.2	41.7	42.7	44.5
.7	38.5	39.2	40.0	40.3	40.7	41.0	41.2	41.5	42.0	43.0	44.3
.7	41.3	41.9	43.0	43.4	43.8	44.2	44.3	44.6	45.2	46.2	47.9
.7	45.5	46.3	47.5	47.8	48.2	48.6	48.7	49.1	49.5	50.7	52.5
.1	49.1	49.9	51.3	51.5	52.1	52.4	52.5	52.9	53.4	54.6	56.3
.7	49.9	50.7	52.5	52.8	53.4	53.7	53.8	54.2	54.7	55.9	57.6
.	53.5	54.5	56.3	56.5	57.3	57.6	57.7	58.1	58.6	59.7	61.5
.1	55.3	56.2	57.9	58.4	59.1	59.4	59.5	59.8	60.4	61.5	63.3
.7	58.2	59.1	60.9	61.5	62.2	62.5	62.6	63.0	63.5	64.6	66.4
.	58.9	60.0	61.7	62.4	63.1	63.4	63.5	63.8	64.4	65.5	67.3
.	63.1	64.4	66.3	67.2	67.9	68.2	68.3	68.6	69.2	70.3	72.1
.1	67.0	68.3	70.3	71.3	72.0	72.4	72.5	72.9	73.4	74.5	76.3
.	70.5	71.9	74.0	75.0	75.8	76.3	76.4	76.8	77.3	78.4	80.2
.	72.9	73.5	75.0	76.8	77.6	78.2	78.3	78.9	79.3	80.4	82.2
.	75.0	76.3	78.5	79.5	80.4	81.0	81.1	81.5	82.2	83.3	85.1
.	75.8	77.3	79.5	80.5	81.5	82.1	82.2	82.6	83.3	84.4	86.2
.	76.5	78.3	80.5	81.5	82.5	83.1	83.2	83.6	84.3	85.4	87.3
.	79.1	80.0	82.6	83.5	85.0	85.9	86.1	86.5	87.2	88.3	90.2
.	79.3	80.3	83.2	84.6	86.0	87.2	87.4	87.9	88.8	89.9	92.0
.7	79.4	80.5	83.4	84.9	86.3	87.9	88.1	88.7	89.8	90.9	93.0
.1	79.6	80.9	83.8	85.3	87.1	88.9	89.3	90.1	91.3	92.9	96.2
.1	79.6	80.9	83.8	85.3	87.1	89.0	89.4	90.4	92.0	94.3	99.2
.1	79.6	80.9	83.8	85.3	87.1	89.0	89.4	90.4	92.1	94.5	100.0

OPERATING LOCATION MAP PERCENTAGE FREQUENCY OF OCCURRENCE OF
HUNTSVILLE, ASTEVILLE, AL ALL APPLY OBSERVATIONS

STATION NUMBER: [illegible] STATION NAME: UPPER HEYSHAM AFB UK
LST TIME: - 6

CEILING IN FEET	VISIBILITY IN METERS 1	2	3	4	5	6	7	8	9	10
	112	7	5	50	46	43	32	24	19	15
ALL	[illegible]	[illegible]	21.[illegible]	22.[illegible]	23.2	23.7	24.2	24.7	25.0	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	27.[illegible]	28.4	28.[illegible]	27.[illegible]	[illegible]	[illegible]	31.
[illegible]	[illegible]	[illegible]	27.1	28.1	29.1	29.7	30.[illegible]	31.3	31.3	31.
[illegible]	[illegible]	[illegible]	27.1	28.1	29.1	29.7	30.[illegible]	31.3	31.3	31.
[illegible]	24.7	[illegible]	27.[illegible]	29.[illegible]	29.[illegible]	30.1	[illegible]	31.4	31.	32.
[illegible]	[illegible]	[illegible]	[illegible]	29.[illegible]	30.2	30.[illegible]	31.[illegible]	32.1	32.4	[illegible]
[illegible]	[illegible]	[illegible]	30.0	31.[illegible]	32.[illegible]	32.[illegible]	33.3	[illegible]	[illegible]	34.
[illegible]	[illegible]	[illegible]	31.2	32.2	33.2	33.[illegible]	34.[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	35.[illegible]	35.[illegible]	37.4	[illegible]	38.2	39.[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	36.[illegible]	37.[illegible]	37.[illegible]	38.7	39.4	39.	[illegible]
[illegible]	[illegible]	[illegible]	41.1	42.[illegible]	36.3	37.[illegible]	38.2	[illegible]	43.3	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	37.1	38.[illegible]	39.7	40.[illegible]	41.[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	41.4	43.[illegible]	44.4	45.2	45.1	[illegible]	47.2
[illegible]	[illegible]	[illegible]	[illegible]	44.[illegible]	45.1	43.2	48.3	[illegible]	51.[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	47.1	[illegible]	[illegible]	51.7	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	52.4	54.7	55.8	57.3	58.3	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	51.1	53.5	55.[illegible]	57.[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	53.7	55.1	51.[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	53.7	55.4	53.7	51.1	[illegible]	59.3	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	57.1	58.3	54.3	55.4	57.5	[illegible]	73.
[illegible]	[illegible]	[illegible]	[illegible]	53.4	53.1	57.3	[illegible]	75.3	73.1	73.
[illegible]	[illegible]	[illegible]	71.1	[illegible]	[illegible]	53.4	71.1	73.[illegible]	[illegible]	75.7	77.
[illegible]	[illegible]	[illegible]	1.[illegible]	53.3	55.1	73.1	71.3	74.4	75.	77.[illegible]	78.
[illegible]	[illegible]	51.[illegible]	52.1	52.[illegible]	57.3	72.7	74.[illegible]	77.3	80.3	81.7	[illegible]
[illegible]	739	51.7	[illegible]	52.3	57.1	73.1	75.3	77.3	82.4	83.2	[illegible]
[illegible]	[illegible]	51.7	52.2	53.3	57.2	73.2	75.6	79.2	82.4	83.7	[illegible]
[illegible]	[illegible]	51.[illegible]	52.3	53.1	57.[illegible]	73.7	75.2	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	51.[illegible]	52.3	53.1	57.[illegible]	74.2	76.3	80.7	85.1	85.4	[illegible]
[illegible]	800	51.[illegible]	52.[illegible]	53.1	57.5	74.3	77.1	81.0	85.9	87.4	[illegible]
[illegible]	200	51.[illegible]	52.3	53.1	57.5	74.3	77.1	81.0	85.9	87.[illegible]	[illegible]
[illegible]	100	51.[illegible]	52.3	53.1	57.5	74.3	77.1	81.0	85.9	87.[illegible]	[illegible]
[illegible]	[illegible]	51.[illegible]	52.3	53.1	57.5	74.3	77.1	81.0	85.9	87.[illegible]	[illegible]

TOTAL NUMBER OF OBSERVATIONS 900

[illegible] - [illegible] - 94

FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

[illegible] AFB [illegible] PERIOD OF RECORD: JUL 79 - JUN 84
MONTH: NOV HOURS: 09-11

ILITY IN METERS									
[illegible]	36	30	26	20	16	12	10	08	06	04	00
[illegible]	24.2	24.7	25.0	25.2	25.5	25.7	25.9	26.1	26.5	27.8
[illegible]	29.[illegible]	30.2	30.7	31.1	31.4	31.5	31.[illegible]	32.0	32.4	33.8
[illegible]	30.4	31.0	31.3	31.[illegible]	32.1	32.2	32.4	32.7	33.1	34.4
[illegible]	30.4	31.0	31.3	31.[illegible]	32.1	32.2	32.4	32.7	33.1	34.4
[illegible]	30.9	31.4	31.[illegible]	32.2	32.5	32.7	32.9	33.1	33.6	34.9
[illegible]	31.5	32.1	32.4	32.9	33.2	33.3	33.5	33.8	34.2	35.6
[illegible]	34.3	34.8	34.8	34.9	35.1	35.2	35.4	35.7	36.1	37.4
[illegible]	34.9	35.2	35.5	35.8	36.3	36.4	36.7	36.9	37.3	38.7
[illegible]	38.4	39.2	39.5	40.1	40.5	40.8	41.0	41.2	41.7	43.0
[illegible]	38.7	39.4	39.[illegible]	40.3	40.8	41.0	41.2	41.4	41.9	43.2
[illegible]	38.7	40.[illegible]	40.8	40.9	41.2	41.5	41.8	42.0	42.4	43.8
[illegible]	41.5	42.1	42.4	43.0	43.5	43.8	44.0	44.2	44.7	46.0
[illegible]	45.1	45.8	47.2	47.[illegible]	48.3	48.5	48.[illegible]	49.0	49.4	50.8
[illegible]	[illegible].0	50.[illegible]	51.2	51.[illegible]	52.3	52.5	52.8	53.0	53.4	54.8
[illegible]	[illegible].2	54.[illegible]	55.4	55.9	56.5	56.8	56.9	56.0	56.2	56.7	58.0
[illegible]	[illegible].5	58.3	59.[illegible]	59.4	60.0	60.3	60.5	60.3	61.2	62.6
[illegible]	[illegible].1	63.3	63.9	64.4	62.0	62.4	62.7	63.0	63.3	64.7
[illegible]	[illegible].1	[illegible].2	64.9	64.4	65.0	65.4	65.7	65.9	66.3	67.7
[illegible]	[illegible].9	64.3	65.0	65.5	66.1	66.6	66.8	67.0	67.4	68.8
[illegible]	[illegible].3	69.6	70.2	70.6	71.4	71.9	72.1	72.3	72.8	74.1
[illegible]	75.9	73.1	73.8	74.9	75.0	75.4	75.7	75.9	76.3	77.7
[illegible]	75.[illegible]	76.9	76.7	77.3	78.0	78.4	78.7	78.9	79.3	80.7
[illegible]	74.4	75.[illegible]	77.6	78.2	78.9	79.3	79.6	79.8	80.2	81.6
[illegible]	[illegible].0	80.9	81.7	82.3	83.0	83.4	83.7	83.9	84.3	85.7
[illegible]	79.[illegible]	82.4	83.2	84.0	84.9	85.2	85.4	85.7	86.1	87.4
[illegible]	79.2	82.9	83.7	84.4	85.2	85.7	85.9	86.1	86.6	87.9
[illegible]	[illegible].[illegible]	[illegible].0	84.9	85.[illegible]	86.7	87.2	87.6	87.9	88.3	89.7
[illegible]	83.7	85.1	85.6	86.0	88.3	89.9	90.3	90.9	91.3	93.0
[illegible]	81.0	85.9	87.6	89.1	90.6	91.2	91.9	92.6	93.2	94.9
[illegible]	81.0	85.9	87.8	89.4	91.2	92.0	92.7	93.7	94.6	97.2
[illegible]	81.0	85.9	87.8	89.6	91.3	92.1	92.9	94.0	95.2	99.9
[illegible]	81.0	85.9	87.8	89.6	91.3	92.1	92.9	94.0	95.2	100.0

OPERATING LOCATION NAM
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEI
FROM HOURLY OBSERVATIONS

STATION NUMBER: 3[illegible] STATION NAME: UPPER HEYFORD [illegible]
LST TO UTC: - 0

CEILING IN FEET	VISIBILITY IN METERS									
	[illegible] 110	[illegible] 90	[illegible] 80	[illegible] 60	[illegible] 45	[illegible] 40	[illegible] 32	[illegible] 24	[illegible] 20	[illegible] 16
[illegible] CEIL	[illegible]	[illegible]	21.0	22.0	22.[illegible]	23.4	23.7	23.[illegible]	24.1	24.[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	29.6	30.3	31.[illegible]	31.1	31.4	31.7
[illegible]	[illegible]	[illegible]	[illegible]	29.0	30.1	30.9	31.4	31.7	32.[illegible]	32.[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	29.0	30.1	30.9	31.4	31.7	32.[illegible]	32.[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	29.0	30.1	30.9	31.4	31.7	32.[illegible]	32.[illegible]
[illegible]	27.4	27.7	[illegible]	31.1	32.2	33.0	33.6	33.[illegible]	[illegible].1	[illegible]
[illegible]	[illegible]	[illegible]	32.7	33.5	34.4	35.3	35.[illegible]	35.1	35.4	36.7
[illegible]	[illegible]	[illegible]	33.1	33.[illegible]	34.[illegible]	35.[illegible]	35.[illegible]	[illegible]	[illegible]	37.1
[illegible]	32.1	32.[illegible]	36.2	37.2	38.4	39.3	39.[illegible]	40.1	[illegible]	[illegible]
[illegible]	32.4	[illegible]	36.7	37.7	[illegible]	39.[illegible]	40.5	40.5	41.0	41.3
[illegible]	[illegible]	[illegible]	37.1	38.3	39.[illegible]	40.4	41.0	41.2	41.7	[illegible]
[illegible]	[illegible]	[illegible]	43.1	41.3	42.7	43.7	44.3	44.[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	43.9	45.1	46.4	47.4	48.1	48.2	[illegible]	[illegible]
[illegible]	40.9	41.4	47.[illegible]	49.[illegible]	51.3	52.4	53.1	53.4	53.7	54.3
[illegible]	[illegible]	[illegible]	[illegible]	52.4	54.[illegible]	55.9	56.6	57.0	57.4	[illegible]
[illegible]	45.7	49.[illegible]	[illegible]	50.[illegible]	51.[illegible]	52.4	53.2	53.[illegible]	54.2	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	56.1	62.9	54.[illegible]	[illegible]	55.3	[illegible]	55.3
[illegible]	[illegible]	[illegible]	61.4	63.9	67.4	69.3	69.[illegible]	70.4	71.0	71.[illegible]
[illegible]	53.[illegible]	53.9	61.9	64.4	68.9	69.3	70.1	71.0	71.5	71.1
[illegible]	[illegible]	57.1	67.1	70.9	73.9	75.3	75.[illegible]	77.7	77.2	[illegible]
[illegible]	[illegible]	[illegible]	70.[illegible]	73.2	77.7	79.4	[illegible]	82.1	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	71.9	74.7	80.2	82.[illegible]	83.4	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	71.5	75.2	81.0	82.9	84.3	85.9	85.4	7.1
[illegible]	59.9	[illegible]	72.1	75.[illegible]	82.1	84.2	86.1	87.7	88.2	[illegible]
700	59.9	[illegible]	72.1	75.[illegible]	82.2	84.7	86.7	88.5	89.3	[illegible]
600	59.9	[illegible]	72.2	75.9	82.4	84.9	87.0	89.3	89.[illegible]	[illegible]
[illegible]	59.4	60.5	72.4	76.1	83.4	85.0	[illegible]	91.[illegible]	91.7	92.[illegible]
400	59.4	[illegible]	72.4	76.1	83.9	85.5	[illegible]	92.9	92.3	93.9
300	59.4	60.5	72.4	76.1	83.9	85.6	89.0	92.2	93.1	94.1
200	59.4	60.5	72.4	76.1	83.9	85.5	89.0	92.3	93.2	94.3
100	59.4	60.4	72.4	76.1	83.9	85.5	89.0	92.3	93.2	94.3
[illegible]	[illegible]	[illegible]	72.4	76.1	83.9	85.5	89.0	92.3	93.2	94.3

TOTAL NUMBER OF OBSERVATIONS 900

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

UPPER HEYFORD RAF UK — PERIOD OF RECORD: JUL 73 - JUN 83
MONTH: NOV HOURS: 12-14

CEILING IN FEET	VISIBILITY IN METERS GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
[illegible]	23.4	23.7	23.8	24.1	24.2	24.2	24.2	24.3	24.4	24.7	24.9
[illegible]	30.3	30.9	31.1	31.4	31.7	31.7	31.7	31.9	32.0	32.2	32.6
[illegible]	30.9	31.4	31.7	32.0	32.2	32.2	32.2	32.4	32.6	32.8	33.1
[illegible]	30.9	31.4	31.7	32.0	32.2	32.2	32.2	32.4	32.6	32.8	33.1
[illegible]	30.9	31.4	31.7	32.0	32.2	32.2	32.2	32.4	32.6	32.8	33.1
[illegible]	33.0	33.6	33.8	34.1	34.3	34.3	34.3	34.6	34.7	34.9	35.2
[illegible]	35.3	35.9	35.1	35.4	36.7	36.7	36.7	36.9	37.0	37.2	37.6
[illegible]	35.8	36.3	36.6	36.9	37.1	37.1	37.1	37.3	37.4	37.7	38.0
[illegible]	39.3	39.9	40.1	40.6	40.9	41.1	41.1	41.3	41.4	41.7	42.0
[illegible]	39.3	40.3	40.6	41.0	41.3	41.6	41.6	41.8	41.9	42.1	42.4
[illegible]	40.4	41.0	41.2	41.7	42.0	42.2	42.2	42.4	42.6	42.8	43.1
[illegible]	43.7	44.3	44.6	45.0	45.4	45.7	45.7	45.9	46.0	46.2	46.6
[illegible]	47.4	48.1	48.3	48.8	49.2	49.4	49.4	49.7	49.8	50.0	50.3
[illegible]	52.4	53.1	53.4	53.9	54.3	54.6	54.6	54.8	54.9	55.1	55.4
[illegible]	55.9	56.6	57.0	57.4	58.0	58.2	58.2	58.4	58.6	58.8	59.1
[illegible]	62.4	63.2	63.8	64.2	64.8	65.0	65.0	65.2	65.3	65.6	65.9
[illegible]	64.0	64.8	65.3	65.8	66.3	66.6	66.7	66.9	67.0	67.2	67.6
[illegible]	66.3	67.6	70.4	71.0	71.6	71.8	71.9	72.1	72.2	72.4	72.6
[illegible]	69.3	70.1	71.0	71.6	72.1	72.3	72.4	72.7	72.9	73.0	73.3
[illegible]	75.3	76.6	77.7	78.2	78.9	79.1	79.2	79.4	79.6	79.8	80.1
[illegible]	79.4	80.8	82.1	82.7	83.3	83.6	83.7	83.9	84.0	84.2	84.6
[illegible]	82.0	83.4	85.0	85.6	86.2	86.4	86.6	86.8	86.9	87.1	87.4
[illegible]	82.9	84.3	86.9	85.4	87.1	87.3	87.4	87.7	87.8	88.0	88.3
[illegible]	84.2	86.1	87.7	88.2	88.9	89.2	89.3	89.6	89.7	89.9	90.2
[illegible]	84.7	86.7	88.6	89.3	90.0	90.3	90.4	90.7	90.8	91.0	91.3
[illegible]	84.9	87.0	89.0	89.8	90.4	90.8	90.9	91.1	91.2	91.4	91.8
[illegible]	85.0	87.3	90.6	91.7	92.3	92.7	93.0	93.2	93.3	93.6	93.9
[illegible]	85.6	89.0	92.0	92.9	93.9	94.7	95.0	95.2	95.4	95.9	96.3
[illegible]	85.6	89.0	92.2	93.1	94.1	95.1	95.6	95.8	96.1	96.8	97.3
[illegible]	85.6	89.0	92.3	93.2	94.3	95.3	95.8	96.0	96.6	97.3	98.3
[illegible]	85.6	89.0	92.3	93.2	94.3	95.3	95.8	96.0	96.6	97.3	100.0
[illegible]	85.6	89.0	92.3	93.2	94.3	95.3	95.8	96.0	96.6	97.3	100.0

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF C
FROM HOURLY OBSERVATIONS

STATION NUMBER: 36553 STATION NAME: UPPER HOYERD RAP JK PERIOD
LST TO UTC: - 0 MONTH:

CEILING IN FEET	VISIBILITY IN METERS 110	70	50	30	20	15	10	8	6	5	4
NO CEIL	19.2	19.7	22.0	22.4	24.1	24.3	24.7	24.9	24.9	25.2	
GE 20000	25.1	25.6	28.7	29.0	30.8	31.1	31.2	32.1	32.1	32.2	
GE 18000	25.1	25.6	28.7	29.0	30.8	31.1	31.3	32.1	32.1	32.3	
GE 16000	25.1	25.6	28.7	29.0	30.8	31.1	31.4	32.1	32.1	32.3	
GE 14000	25.2	25.7	28.8	29.1	31.0	31.2	32.0	32.2	32.2	32.4	
GE 12000	25.3	25.8	29.6	29.8	31.7	32.1	32.9	33.2	33.2	33.4	
GE 10000	27.1	27.6	31.1	31.6	33.5	33.9	34.6	35.0	35.0	35.2	
GE 9000	27.5	28.1	31.6	32.0	34.0	34.3	35.1	35.4	35.4	35.7	
GE 8000	30.6	31.1	35.3	36.0	38.1	38.6	39.4	39.9	40.0	40.2	
GE 7000	31.1	31.7	35.1	36.7	38.9	39.4	40.2	40.6	40.7	41.0	
GE 6000	31.3	32.1	36.4	37.1	39.2	39.7	40.5	41.0	41.1	41.3	
GE 5000	34.7	35.6	40.6	41.3	43.7	44.2	45.0	45.4	45.5	45.	
GE 4500	37.6	38.5	44.4	45.1	47.5	48.1	49.9	49.6	49.7	50.	
GE 4000	42.4	43.5	49.9	50.7	53.3	53.9	54.7	55.3	55.5	55.	
GE 3500	46.7	48.2	53.2	54.1	57.0	57.6	58.5	59.1	59.2	59.5	
GE 3000	49.6	50.9	59.1	60.5	64.5	65.1	66.0	66.3	67.0	67.4	
GE 2500	52.3	52.1	61.0	62.5	66.9	67.5	68.3	69.4	69.8	69.	
GE 2000	54.3	55.5	65.1	66.3	73.3	74.1	75.4	75.4	75.5	76.	
GE 1800	54.5	56.0	65.6	66.9	74.1	74.9	76.2	77.2	77.3	77.5	
GE 1500	56.5	57.2	70.3	73.1	73.8	79.6	81.4	82.5	82.5	83.1	
GE 1200	58.4	59.3	72.4	75.4	81.5	82.4	84.5	85.7	85.9	86.3	
GE 1000	58.9	60.5	73.5	76.5	83.1	83.9	85.4	87.5	87.8	88.1	
GE 900	59.1	60.5	74.1	77.2	83.7	84.5	87.3	88.5	88.5	89.2	
GE 800	59.1	60.5	74.2	77.5	84.3	85.3	88.3	89.2	89.4	90.5	
GE 700	59.1	60.5	74.5	78.2	85.1	86.1	89.9	90.9	91.3	92.4	
GE 600	59.1	60.5	74.7	78.4	85.4	86.6	89.4	90.9	91.1	91.8	
GE 500	59.1	60.5	74.8	78.5	85.9	87.1	89.9	91.2	91.8	92.7	
GE 400	59.1	60.5	74.8	78.5	86.0	87.3	90.2	91.5	92.2	93.2	
GE 300	59.1	60.5	74.3	78.5	86.1	87.4	90.4	91.9	92.5	93.4	
GE 200	59.1	60.5	74.3	78.5	86.1	87.4	90.4	91.9	92.5	93.9	
GE 100	59.1	60.5	74.8	78.5	86.1	87.4	90.4	91.9	92.5	93.9	
GE 000	59.1	60.5	74.3	78.5	86.1	87.4	90.4	91.9	92.3	93.4	

TOTAL NUMBER OF OBSERVATIONS 392

AGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

HEYFORD RAF UK PERIOD OF RECORD: JUL 78 - JUN 86
MONTH: NOV HOURS: 15-17

VISIBILITY IN METERS										
GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
24.3	24.7	24.9	24.9	25.2	25.2	25.2	25.2	25.3	25.6	25.7
31.1	31.[illegible]	32.1	32.1	32.3	32.3	32.3	32.4	32.5	32.9	33.0
31.1	31.3	32.1	32.1	32.3	32.3	32.3	32.4	32.5	32.9	33.0
31.1	31.[illegible]	32.1	32.1	32.3	32.3	32.3	32.4	32.5	32.9	33.0
[illegible].2	32.0	32.2	32.2	32.4	32.4	32.4	32.5	32.6	33.0	33.1
[illegible].1	32.9	33.2	33.2	33.4	33.4	33.4	33.5	33.6	34.0	34.1
[illegible].9	34.6	35.0	35.0	35.2	35.2	35.2	35.3	35.4	35.7	35.9
[illegible].3	35.1	35.4	35.4	35.6	35.6	35.7	35.9	36.1	36.4	36.5
[illegible]	39.4	39.9	40.0	40.2	40.2	40.3	40.4	40.6	41.0	41.1
[illegible]	40.2	40.6	40.9	41.0	41.0	41.1	41.2	41.4	41.8	41.9
[illegible]	40.5	41.0	41.1	41.3	41.3	41.4	41.5	41.8	42.1	42.2
[illegible].2	45.0	45.4	45.5	45.8	45.8	45.9	46.0	46.2	46.5	46.7
[illegible].1	49.9	49.6	49.7	50.0	50.0	50.1	50.2	50.4	50.8	50.9
[illegible].9	54.7	55.3	55.5	55.8	55.8	55.9	56.0	56.2	56.6	56.7
57.6	58.5	59.1	59.2	59.5	59.5	59.7	59.8	60.0	60.4	60.5
[illegible].1	66.0	66.9	67.0	67.4	67.4	67.5	67.6	67.8	68.2	68.3
67.5	68.5	69.4	69.6	69.8	69.8	69.9	70.0	70.3	70.6	70.7
74.1	75.4	76.4	76.5	76.3	76.8	76.9	77.1	77.3	77.6	77.7
[illegible]	75.2	77.2	77.3	77.6	77.6	77.7	77.8	78.1	78.4	78.5
[illegible]	81.4	82.5	82.6	83.0	83.0	83.1	83.2	83.4	83.7	83.9
[illegible].4	84.5	85.7	85.9	86.2	86.2	86.3	86.4	86.6	87.0	87.1
[illegible].9	86.4	87.6	87.8	88.1	88.1	88.2	88.3	88.5	88.9	89.0
[illegible]	87.3	88.5	88.6	89.0	89.0	89.1	89.2	89.4	89.6	89.9
[illegible]	88.0	89.2	89.4	89.8	89.8	89.9	90.0	90.2	90.5	90.6
[illegible].1	[illegible].9	90.0	90.3	90.8	90.8	90.9	91.0	91.2	91.5	91.6
[illegible].6	89.4	90.8	91.1	91.3	91.9	92.0	92.1	92.3	92.7	92.8
87.1	89.9	91.2	91.8	92.7	93.1	93.3	93.4	93.7	94.0	94.1
87.3	90.2	91.5	92.2	93.3	94.1	94.3	94.4	94.8	95.1	95.2
87.4	90.4	91.9	92.8	93.9	95.1	95.4	95.5	96.0	96.3	96.4
87.4	90.4	91.9	92.8	93.9	95.2	95.8	96.0	97.0	97.8	98.8
87.4	90.4	91.9	92.8	93.9	95.2	95.9	96.1	97.1	98.0	100.0
87.4	90.4	91.9	92.8	93.9	95.2	95.9	96.1	97.1	98.0	100.0

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF C
FROM HOURLY OBSERVATIONS

STATION NUMBER: 35553 STATION NAME: UPPER HEYFORD RAF UK PERIO
LST TO UTC: - 0 MONTH

CEILING IN FEET	VISIBILITY IN METERS									
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16
NO CEIL	27.0	[illegible]	30.1	30.5	32.0	32.9	33.0	33.3	33.4	33.5
GE 20000	31.8	32.6	34.5	34.9	36.4	37.4	37.7	38.1	38.3	38.4
GE 18000	31.8	32.6	34.5	34.9	36.4	37.4	37.7	38.1	38.3	38.4
GE 15000	31.8	32.6	34.5	34.9	36.4	37.4	37.7	38.1	38.3	38.4
GE 14000	31.8	32.6	34.5	34.9	36.4	37.4	37.7	38.1	38.3	38.4
GE 12000	32.0	32.7	34.9	35.4	36.8	37.8	38.2	38.5	38.7	38.9
GE 10000	32.	33.6	35.2	36.5	38.1	39.1	39.4	39.8	40.0	40.1
GE 9000	33.1	33.[illegible]	35.5	37.0	38.4	39.5	39.9	40.5	40.8	40.9
GE 8000	35.5	37.5	40.3	40.8	42.6	43.7	44.0	44.7	44.9	45.0
GE 7000	37.4	38.3	41.1	41.5	43.3	44.5	44.8	45.5	45.7	45.
GE 6000	37.4	38.3	41.1	41.5	43.3	44.5	44.8	45.5	45.7	45.
GE 5000	40.5	41.4	44.5	45.1	46.9	48.0	48.4	49.3	49.5	49.6
GE 4500	43.7	44.7	47.9	48.5	50.4	52.1	52.4	53.3	53.5	53.6
GE 4000	47.7	48.7	52.6	53.3	55.8	57.0	57.3	58.5	58.7	58.8
GE 3500	50.5	51.7	55.7	56.7	59.5	60.7	61.0	62.2	62.4	62.5
GE 3000	54.1	55.3	59.2	61.0	64.4	65.8	66.3	67.4	67.6	67.1
GE 2500	56.1	58.3	62.2	63.2	66.6	68.1	68.5	69.7	69.9	70.4
GE 2000	[illegible]	59.7	66.2	67.5	71.4	72.9	73.3	74.5	74.7	75.3
GE 1800	59.2	63.2	66.7	68.2	72.2	73.8	74.2	75.4	75.6	76.1
GE 1500	61.4	66.7	70.4	72.1	77.0	78.6	79.4	80.5	81.0	81.5
GE 1200	62.[illegible]	64.2	72.5	74.5	80.0	81.6	82.4	83.7	84.0	84.[illegible]
GE 1000	63.[illegible]	66.3	74.2	76.5	82.6	84.5	85.5	87.2	87.5	8.1
GE 900	64.3	66.6	74.6	76.8	83.0	85.1	86.1	87.5	88.1	8.7
GE 800	64.4	66.7	74.9	77.2	83.4	86.0	87.0	89.0	89.4	90.3
GE 700	64.4	66.7	75.1	77.7	85.0	87.1	88.4	90.4	90.7	91.4
GE 600	64.4	66.7	75.1	77.7	85.0	87.1	88.6	90.6	90.9	91.[illegible]
GE 500	64.6	66.9	75.6	78.4	85.5	87.9	89.4	91.5	92.0	93.4
GE 400	64.6	66.9	75.6	78.4	85.9	88.0	89.5	92.0	92.5	94.2
GE 300	64.6	66.9	75.6	78.4	85.9	88.0	89.5	92.3	92.8	94.4
GE 200	64.6	66.9	75.6	78.4	85.9	88.0	89.5	92.3	92.8	94.5
GE 100	64.6	66.9	75.6	78.4	85.9	88.0	89.5	92.3	92.8	94.5
GE 000	64.6	66.9	75.6	78.4	85.9	88.0	89.5	92.3	92.8	94.5

TOTAL NUMBER OF OBSERVATIONS 693

NTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

HOYFORD RAF UK PERIOD OF RECORD: JUL 73 - JUN 88
MONTH: NOV HOURS: 18-20

VISIBILITY IN METERS										
GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
32.9	33.0	33.3	33.4	33.5	33.5	33.5	33.5	33.6	33.6	33.8
37.4	37.7	38.1	38.3	38.4	38.4	38.4	38.4	38.5	38.5	38.7
37.4	37.7	38.1	38.3	38.4	38.4	38.4	38.4	38.5	38.5	38.7
37.4	37.7	38.1	38.3	38.4	38.4	38.4	38.4	38.5	38.5	38.7
37.4	37.7	38.1	38.3	38.4	38.4	38.4	38.4	38.5	38.5	38.7
37.8	38.2	38.5	38.7	38.9	38.9	38.9	38.9	39.0	39.0	39.2
39.1	39.4	39.8	40.0	40.1	40.1	40.1	40.1	40.2	40.2	40.4
39.5	39.9	40.5	40.8	40.9	40.9	40.9	40.9	41.0	41.0	41.2
43.7	44.0	44.7	44.9	45.0	45.0	45.0	45.0	45.1	45.2	45.5
44.5	44.8	45.6	45.7	45.8	45.8	45.8	45.8	45.9	46.0	46.2
44.5	44.8	45.5	45.7	45.8	45.8	45.8	45.8	45.9	46.0	46.2
48.0	48.4	49.3	49.5	49.6	49.7	49.7	49.7	49.8	49.9	50.2
52.1	52.4	53.3	53.5	53.6	53.8	53.8	53.8	53.9	54.0	54.2
57.0	57.3	58.5	58.7	58.8	58.9	58.9	58.9	59.0	59.1	59.4
60.7	61.0	62.2	62.4	62.6	62.7	62.7	62.7	62.8	62.9	63.2
65.8	65.3	67.4	67.6	68.1	68.3	68.3	68.3	68.4	68.5	68.8
68.1	68.5	69.7	69.9	70.4	70.7	70.7	70.7	70.8	70.9	71.1
72.9	73.3	74.5	74.7	75.3	75.5	75.5	75.5	75.7	75.8	76.0
73.8	74.2	75.4	75.6	76.1	76.4	76.4	76.4	76.6	76.7	76.9
78.6	79.4	80.6	81.0	81.5	81.7	81.7	81.7	82.0	82.1	82.3
81.6	82.4	83.7	84.0	84.5	84.8	84.8	84.8	85.0	85.1	85.3
84.5	85.5	87.2	87.5	88.1	88.4	88.4	88.4	88.6	88.7	88.9
85.1	86.1	87.8	88.1	88.7	88.9	88.9	88.9	89.1	89.2	89.5
86.0	87.0	89.0	89.4	90.0	90.3	90.3	90.3	90.5	90.6	90.8
87.1	88.4	90.4	90.7	91.4	91.6	91.6	91.6	91.8	91.9	92.2
87.1	88.6	90.6	90.9	91.8	92.2	92.2	92.2	92.4	92.5	92.7
87.9	89.4	91.5	92.0	93.4	93.7	93.7	93.7	94.0	94.1	94.3
88.0	89.5	92.0	92.6	94.2	94.8	95.0	95.0	95.2	95.3	95.5
88.0	89.5	92.3	92.8	94.4	95.3	95.5	95.6	96.1	96.2	96.4
88.0	89.5	92.3	92.8	94.5	95.4	95.6	95.7	96.9	97.3	98.3
88.0	89.5	92.3	92.8	94.5	95.9	96.2	96.3	97.5	98.0	100.0
88.0	89.5	92.3	92.8	94.5	95.9	96.2	96.3	97.5	98.0	100.0

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OPERATING LOCATION "A"                        PERCENTAGE FREQUENCY OF OCCURRENCE OF CE
USAFETAC, ASHEVILLE NC                                        FROM HOURLY OBSERVATIONS

STATION NUMBER:  365*3?2? -/A/AMN NAMEO JNNEJ  ENOMJO JAO OS                       NTJAMO
                                J A AM OAAS    &                                    MMNA &
AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA
AEAJANE                                               EA A AJAA  AN MEAEJ
   A

NO CEIL    27.4    27.7    29.3    30.1    31.6    32.2    32.8    33.5    33.5    33.7

GE 20000   30.1    30.4    32.4    33.2    35.1    35.8    36.4    37.1    37.1    37.4
GE 18000   30.1    30.4    32.4    33.2    35.1    35.8    36.4    37.1    37.1    37.4
GE 16000   30.1    30.4    32.4    33.2    35.1    35.8    36.4    37.1    37.1    37.4
GE 14000   30.1    30.4    32.4    33.2    35.1    35.8    36.4    37.1    37.1    37.4
GE 12000   30.4    30.7    33.0    33.7    35.5    36.3    37.0    37.7    37.7    38.0

GE 10000   31.4    31.7    34.0    35.3    37.7    38.3    39.0    39.7    39.7    40.0
GE  9000   31.7    32.1    35.0    36.1    38.0    38.8    39.6    40.3    40.3    40.7
GE  8000   35.3    35.6    38.7    40.0    42.5    43.4    44.1    45.1    45.1    45.7
GE  7000   35.6    36.3    39.6    40.9    43.4    44.2    45.0    45.9    45.9    46.5
GE  6000   36.5    37.0    40.2    41.5    44.0    44.9    45.7    46.7    46.7    47.3

GE  5000   38.3    39.2    42.5    43.8    46.3    47.2    47.9    49.2    49.5    49.9
GE  4500   42.1    42.5    46.0    47.5    50.7    51.6    52.4    53.5    53.7    54.3
GE  4000   46.4    46.7    50.7    52.5    55.6    56.5    57.3    58.5    58.9    59.4
GE  3500   48.7    49.2    53.3    55.1    58.2    59.2    60.0    61.5    61.6    62.3
GE  3000   51.1    51.6    55.5    58.5    62.0    63.2    64.0    65.5    65.5    66.0

GE  2500   53.4    54.0    59.2    61.1    64.7    66.0    66.8    68.3    68.4    69.5
GE  2000   55.9    56.3    62.3    64.0    68.5    69.9    70.7    72.2    72.3    73.4
GE  1800   56.4    57.0    63.1    65.7    69.4    70.7    71.5    73.0    73.1    74.2
GE  1500   58.9    59.4    65.9    68.7    72.7    74.1    75.0    75.6    75.9    77.4
GE  1200   61.1    61.7    68.5    71.5    75.9    77.2    78.1    79.9    80.1    81.5

GE  1000   62.9    63.5    70.5    73.7    78.4    80.1    81.0    82.9    83.0    84.4
GE   900   63.0    63.6    70.7    74.2    79.1    81.0    82.0    83.9    84.0    85.4
GE   800   63.7    64.2    71.5    75.4    80.3    82.2    83.2    85.3    85.5    86.9
GE   700   64.0    64.5    72.0    76.2    81.5    83.5    84.8    86.9    87.3    88.7
GE   600   64.0    64.5    72.3    76.3    81.6    83.7    85.1    87.3    87.7    89.2

GE   500   64.1    64.7    72.5    76.8    82.1    84.4    85.9    88.0    89.1    90.6
GE   400   64.1    64.7    72.5    76.8    82.3    84.6    86.5    88.9    90.3    92.4
GE   300   64.2    64.8    72.7    76.9    82.5    84.7    86.8    89.7    91.1    93.4
GE   200   64.2    64.8    72.7    76.9    82.5    84.7    86.8    89.9    91.3    93.9
GE   100   64.2    64.8    72.7    76.9    82.5    84.7    86.8    89.9    91.3    94.2

GE   000   64.2    64.8    72.7    76.9    82.5    84.7    86.8    89.9    91.3    94.2
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TOTAL NUMBER OF OBSERVATIONS    895
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NTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

NEJ LNOMJO JAO OE NEJAMO MO JEAMJOE JOJ NE JON EE
MMNA E NME MOJ E EJ EJ

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FA A AJAA AN MEAEJ

32.2	32.6	33.5	33.5	33.7	33.9	33.9	34.0	34.4	34.6	35.5
35.9	36.4	37.1	37.1	37.4	37.5	37.5	37.7	38.1	38.3	39.2
35.9	36.4	37.1	37.1	37.4	37.5	37.5	37.7	38.1	38.3	39.2
35.9	36.4	37.1	37.1	37.4	37.5	37.5	37.7	38.1	38.3	39.2
35.9	36.4	37.1	37.1	37.4	37.5	37.5	37.7	38.1	38.3	39.2
36.3	37.0	37.7	37.7	38.0	38.1	38.1	38.2	38.7	38.9	39.8
38.3	39.0	39.7	39.7	40.0	40.1	40.1	40.2	40.7	40.9	41.8
38.9	39.6	40.3	40.3	40.9	41.1	41.1	41.2	41.7	41.9	42.8
43.4	44.1	45.1	45.1	45.7	45.9	45.9	46.0	46.5	46.7	47.6
44.2	45.0	45.0	46.0	46.6	46.8	46.8	46.9	47.4	47.6	48.5
44.9	45.7	46.7	46.7	47.3	47.5	47.5	47.6	48.0	48.3	49.2
47.2	47.9	49.2	49.3	49.9	50.1	50.1	50.2	50.6	50.8	51.7
51.6	52.4	53.6	53.7	54.3	54.5	54.5	54.6	55.1	55.3	56.2
56.5	57.3	58.8	58.9	59.4	59.7	59.7	59.8	60.2	60.4	61.3
59.2	60.0	61.5	61.6	62.3	62.7	62.7	62.8	63.2	63.5	64.4
63.2	64.0	65.5	65.5	66.6	66.9	66.9	67.0	67.5	67.8	68.7
66.0	66.8	68.3	68.4	69.5	69.8	69.8	69.9	70.5	70.7	71.6
69.9	70.7	72.2	72.3	73.4	73.7	73.7	73.9	74.4	74.6	75.5
70.7	71.5	73.0	73.1	74.2	74.5	74.6	74.7	75.3	75.5	76.4
74.1	75.0	76.6	76.8	77.9	78.3	78.4	78.5	79.1	79.3	80.2
77.2	78.1	80.0	80.1	81.3	81.4	81.9	82.0	82.6	82.8	83.7
80.1	81.0	82.9	83.0	84.4	84.8	85.0	85.1	85.7	85.9	86.8
81.0	82.0	83.9	84.0	85.4	85.9	86.0	86.1	86.7	86.9	87.8
82.2	83.2	85.3	85.5	86.9	87.4	87.6	87.7	88.3	88.5	89.4
83.6	84.8	86.8	87.3	88.7	89.2	89.4	89.5	90.1	90.3	91.2
83.7	85.1	87.3	87.7	89.2	89.7	89.9	90.1	90.6	90.8	91.7
84.4	85.9	88.0	89.1	90.6	91.2	91.5	91.6	92.2	92.4	93.3
84.6	86.6	88.9	90.3	92.4	93.0	93.3	93.6	94.2	94.4	95.3
84.7	86.8	89.7	91.1	93.4	94.0	94.3	94.6	95.4	95.6	96.8
84.7	86.8	89.9	91.3	93.9	94.6	95.3	95.6	96.4	97.0	98.7
84.7	86.8	89.9	91.3	94.2	95.0	95.6	96.0	96.9	97.5	100.0
84.7	86.8	89.9	91.3	94.2	95.0	95.6	96.0	96.9	97.5	100.0

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CO
FROM HOURLY OBSERVATIONS

STATION NUMBER: 36553 STATION NAME: UPPER HEYFORD RAF UK PERIOD
LST TO UTC: - 0 MONTH:

CEILING IN FEET	VISIBILITY IN METERS GE 112	GE 96	GE 80	GE 64	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16
NO CEIL	23.7	24.0	26.1	26.8	28.1	28.7	29.1	29.6	29.[illegible]	30.[illegible]
GE 20000	27.3	27.7	30.2	31.1	32.5	33.1	33.[illegible]	34.3	34.5	34.[illegible]
GE 18000	27.4	27.[illegible]	30.4	31.2	32.6	33.3	33.9	34.4	34.7	34.[illegible]
GE 15000	27.4	27.[illegible]	30.4	31.2	32.6	33.3	33.9	34.4	34.7	34.[illegible]
GE 14000	27.5	27.9	30.5	31.3	32.7	33.4	34.0	34.5	34.7	35.0
GE 12000	28.0	28.4	31.1	31.9	33.4	34.0	34.7	35.2	35.4	35.7
GE 10000	29.2	29.6	32.7	33.5	35.1	35.7	36.4	36.9	37.2	37.[illegible]
GE 9000	29.7	30.1	33.2	34.2	35.5	36.3	37.1	37.5	37.9	38.[illegible]
GE 8000	30.[illegible]	30.[illegible]	33.9	36.5	37.7	39.3	40.1	40.5	41.5	41.[illegible]	42.2
GE 7000	33.2	33.7	37.3	38.9	40.0	40.8	41.5	42.2	42.5	42.9
GE 6000	33.5	34.0	37.7	38.[illegible]	40.4	41.2	41.9	42.6	42.9	43.3
GE 5000	35.9	36.4	42.5	41.5	43.4	44.2	44.9	45.5	46.1	46.[illegible]
GE 4500	39.5	40.0	44.5	45.3	47.2	48.7	49.5	50.4	51.7	51.1
GE 4000	42.6	43.2	48.2	49.5	52.0	53.3	54.0	55.0	55.3	55.7
GE 3500	44.5	46.3	50.5	52.2	54.5	55.7	56.7	57.9	58.1	58.5
GE 3000	47.9	48.5	54.1	56.5	59.3	60.5	61.5	62.9	63.1	63.7
GE 2500	49.1	49.9	56.1	58.2	61.2	62.4	63.0	64.7	65.1	65.
GE 2000	51.5	52.3	59.2	61.5	65.2	66.3	67.0	68.0	68.2	68.
GE 1500	52.1	52.9	60.9	62.3	65.7	67.0	68.2	69.6	70.5	70.[illegible]
GE 1500	54.9	55.7	63.7	65.4	70.3	71.6	73.1	74.7	75.1	75.[illegible]
GE 1200	56.7	57.5	65.2	69.3	73.5	75.0	76.5	77.3	78.3	79.4
GE 1000	59.9	60.[illegible]	69.9	71.2	76.0	77.7	79.3	81.2	81.7	82.[illegible]
GE 900	59.5	60.1	68.4	71.8	76.8	78.5	80.3	82.2	82.7	83.4
GE 800	59.7	60.5	69.4	73.0	78.3	80.2	82.1	84.2	84.7	85.5
GE 700	59.8	60.6	69.7	73.4	79.0	81.1	83.1	85.3	85.9	86.7
GE 600	59.8	59.7	69.6	73.6	79.3	81.4	83.5	85.7	86.4	87.3
GE 500	59.9	59.9	70.2	74.1	80.2	82.4	84.7	87.2	88.1	88.3
GE 400	59.9	59.9	70.2	74.2	80.4	82.7	85.1	87.9	88.8	89.5
GE 300	59.9	59.9	70.2	74.2	80.5	82.8	85.3	88.3	89.5	91.1
GE 200	59.9	59.9	70.2	74.2	80.6	82.9	85.4	88.4	89.8	91.5
GE 100	59.9	59.9	70.2	74.2	80.6	82.9	85.4	88.4	89.8	91.7
GE 000	59.9	59.9	70.2	74.2	80.6	82.9	85.4	88.4	89.8	91.7

TOTAL NUMBER OF OBSERVATIONS 7174

NTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

BRYFORD RAF UK PERIOD OF RECORD: JUL 75 - JUN 82
MONTH: NOV HOURS: ALL

VISIBILITY IN METERS										
GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
28.7	29.1	29.6	29.8	30.0	30.2	30.3	30.4	30.8	31.3	32.1
33.1	33.3	34.3	34.5	34.8	35.0	35.0	35.2	35.6	36.1	36.9
33.3	33.9	34.4	34.7	34.9	35.1	35.2	35.4	35.8	36.2	37.1
33.3	33.9	34.4	34.7	34.9	35.1	35.2	35.4	35.8	36.2	37.1
33.4	34.0	34.5	34.7	35.0	35.2	35.3	35.5	35.9	36.3	37.2
34.0	34.7	35.2	35.4	35.7	35.9	35.9	36.1	36.5	37.0	37.8
35.7	36.4	36.9	37.2	37.5	37.6	37.7	37.9	38.3	38.8	39.6
36.3	37.1	37.6	37.9	38.2	38.4	38.5	38.7	39.1	39.6	40.4
39.1	40.3	41.5	41.8	42.2	42.4	42.5	42.7	43.1	43.6	44.4
40.8	41.5	42.2	42.5	42.9	43.1	43.2	43.4	43.8	44.3	45.1
41.2	41.9	42.6	42.9	43.3	43.5	43.6	43.8	44.2	44.7	45.6
44.2	44.9	45.8	46.1	46.5	46.8	46.9	47.1	47.5	48.0	48.8
49.7	47.9	50.4	50.7	51.1	51.4	51.5	51.7	52.1	52.6	53.4
53.0	54.0	55.0	55.3	55.7	56.0	56.2	56.4	56.8	57.3	58.1
55.7	56.7	57.9	58.1	58.6	58.9	59.0	59.2	59.6	60.1	61.0
60.5	61.6	62.9	63.1	63.7	64.0	64.2	64.4	64.8	65.3	66.2
62.4	63.5	64.7	65.1	65.9	66.0	66.3	66.5	66.9	67.4	68.3
68.3	67.6	68.8	69.2	69.6	70.1	70.4	70.6	71.0	71.5	72.4
70.0	68.2	69.6	70.0	70.4	70.9	71.2	71.4	71.8	72.3	73.2
71.8	73.1	74.7	75.1	75.8	76.1	76.4	76.6	77.0	77.5	78.4
78.0	75.6	78.3	78.8	79.4	79.8	80.0	80.2	80.6	81.2	82.0
77.7	79.3	81.2	81.7	82.5	82.8	83.1	83.3	83.7	84.2	85.1
78.0	80.3	82.2	82.7	83.4	83.8	84.0	84.2	84.7	85.2	86.0
80.2	82.1	84.2	84.7	85.5	85.9	86.1	86.4	86.8	87.3	88.2
81.1	83.1	85.3	85.9	86.7	87.2	87.4	87.7	88.1	88.6	89.5
81.4	83.5	85.7	86.4	87.3	87.8	88.0	88.2	88.7	89.2	90.1
86.4	84.7	87.2	88.1	89.3	89.9	90.3	90.5	91.0	91.5	92.4
86.7	85.1	87.9	89.0	90.5	91.4	91.8	92.1	92.7	93.2	94.2
87.4	85.3	88.3	89.5	91.1	92.2	92.6	93.0	93.7	94.3	95.3
87.9	85.4	88.4	89.8	91.5	92.8	93.5	93.9	94.9	95.9	97.7
87.9	85.4	88.4	89.8	91.7	93.1	93.7	94.2	95.4	96.6	99.8
87.9	85.4	88.4	89.8	91.7	93.1	93.7	94.2	95.4	96.6	100.0

OPERATING LOCATION "A"
ISAFFTAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEIL
FROM HOURLY OBSERVATIONS

STATION NUMBER: 36583 STATION NAME: UPPER HEYFORD RAF UK PERIO
LST TO UTC: - 0 MONTH:

CEILING IN FEET	VISIBILITY IN METERS 112	96	80	65	48	40	32	24	20	16
NO CEIL	26.8	27.3	29.4	31.4	32.4	32.4	32.7	34.7	34.8	35.2
GE 20000	33.7	34.1	32.4	33.3	34.3	34.4	34.7	35.9	35.9	37.2
GE 17000	33.7	34.1	32.4	33.3	34.3	34.4	34.7	35.9	35.9	37.2
GE 15000	33.7	34.1	32.4	33.3	34.3	34.4	34.7	35.9	35.9	37.2
GE 14000	33.7	34.1	32.4	33.3	34.3	34.4	34.7	35.9	35.9	37.2
GE 12000	33.9	34.4	32.7	33.7	34.5	34.7	35.1	37.1	37.2	37.5
GE 10000	33.9	34.4	34.1	35.2	35.1	35.2	35.7	36.7	37.5	39.1
GE 9000	33.9	34.4	34.5	35.7	35.7	35.8	37.2	38.2	39.4	39.7
GE 8000	33.9	34.4	35.0	36.3	40.9	40.1	42.5	42.6	42.7	43.2
GE 7000	33.9	34.1	35.5	39.7	41.1	41.4	41.8	43.9	44.3	44.3
GE 6000	34.3	34.5	39.1	40.1	41.5	41.9	42.4	44.4	44.5	44.4
GE 5000	35.7	36.2	41.2	42.8	44.0	44.3	44.7	46.1	45.9	47.5
GE 4500	37.4	38.0	43.1	44.3	45.1	45.7	47.2	48.2	48.4	[illegible]
GE 4000	41.1	41.5	47.1	48.8	50.2	50.8	51.5	53.7	53.5	54.4
GE 3500	43.5	44.1	49.8	51.2	53.1	53.8	54.5	56.8	57.1	57.7
GE 3000	45.2	45.8	52.4	54.1	55.1	56.8	57.5	59.2	59.5	61.7
GE 2500	47.4	48.2	54.6	55.5	57.3	58.8	59.5	62.2	62.5	64.7
GE 2000	50.5	51.5	57.2	59.1	61.3	61.9	63.2	65.7	66.2	67.5
GE 1500	53.5	54.8	59.0	59.9	62.2	62.9	64.9	65.7	67.2	67.5
GE 1000	55.8	56.4	61.4	63.7	66.2	67.1	67.9	71.9	71.4	72.2
GE 1200	55.2	55.8	63.2	65.5	68.4	69.2	70.4	73.2	73.8	75.1
GE 1000	57.3	58.0	65.7	68.0	70.9	71.4	73.1	76.0	75.7	76.0
GE 900	57.5	58.3	66.5	68.7	71.6	72.5	73.9	76.6	77.5	78.3
GE 800	[illegible]	58.1	67.5	70.1	73.1	74.4	75.7	78.5	79.5	81.1
GE 700	59.4	60.0	68.7	71.3	74.5	76.1	77.5	81.0	81.5	83.4
GE 600	59.9	60.5	69.8	72.4	76.0	77.5	79.5	83.1	84.1	85.5
GE 500	60.4	61.1	70.3	73.0	77.2	79.0	81.1	85.2	85.2	87.7
GE 400	60.5	61.3	70.5	73.2	78.1	79.9	82.2	86.5	87.5	89.4
GE 300	60.4	61.5	71.1	73.9	78.8	80.5	82.9	87.4	89.1	[illegible]
GE 200	60.9	61.6	71.1	73.9	78.8	80.8	83.2	88.1	89.9	92.4
GE 100	60.9	61.6	71.1	73.9	78.8	80.8	83.2	88.3	90.1	92.7
GE 000	60.9	61.6	71.1	73.9	78.8	80.5	83.2	88.3	90.1	92.7

TOTAL NUMBER OF OBSERVATIONS 930

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

UPPER HEYFORD RAF UK — PERIOD OF RECORD: JUL 78 - JUN 88
MONTH: DEC HOURS: 00-02

CEILING	VISIBILITY IN METERS GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
[illegible]	32.4	32.7	34.7	34.8	35.2	35.5	35.5	35.6	36.0	36.2	36.8
[illegible]	34.4	34.7	36.8	36.9	37.2	37.5	37.5	37.6	38.1	38.3	38.8
[illegible]	34.4	34.7	36.8	36.9	37.2	37.5	37.5	37.6	38.1	38.3	38.8
[illegible]	34.4	34.7	36.8	36.9	37.2	37.5	37.5	37.6	38.1	38.3	38.8
[illegible]	34.4	34.7	36.8	36.9	37.2	37.5	37.5	37.6	38.1	38.3	38.8
[illegible]	34.7	35.1	37.1	37.2	37.5	37.8	37.8	38.0	38.4	38.6	39.1
.1	35.2	36.7	38.7	38.8	39.1	39.5	39.5	39.6	40.0	40.2	40.8
.2	36.8	37.2	39.2	39.4	39.7	40.0	40.0	40.1	40.5	40.8	41.3
.3	40.1	40.5	42.6	42.7	43.0	43.4	43.4	43.5	44.0	44.2	44.7
.1	41.4	41.8	43.9	44.3	44.3	44.7	44.7	44.8	45.3	45.5	46.0
[illegible]	41.9	42.4	44.4	44.5	44.9	45.4	45.4	45.5	45.9	46.1	46.7
[illegible]	44.3	44.7	46.9	46.9	47.3	47.7	47.7	47.8	48.3	48.5	49.0
.1	45.7	47.2	49.2	49.4	50.0	50.4	50.4	50.5	51.0	51.2	51.7
.2	50.9	51.5	53.7	53.8	54.4	54.5	54.5	54.9	55.4	55.6	56.1
.1	53.4	54.5	56.8	57.1	57.7	58.2	58.2	58.3	58.7	58.9	59.5
.1	56.9	57.6	60.2	60.5	61.7	62.3	62.3	62.4	62.8	63.0	63.5
[illegible]	58.5	59.6	62.2	62.5	63.7	64.2	64.2	64.3	64.7	64.9	65.5
[illegible]	61.9	63.0	65.7	65.2	67.5	68.1	68.1	68.2	68.6	68.8	69.4
[illegible]	62.9	64.0	65.7	67.2	68.5	69.0	69.0	69.1	69.5	69.8	70.3
[illegible]	67.1	68.2	70.9	71.4	72.7	73.2	73.2	73.3	73.8	74.0	74.5
[illegible]	69.2	70.4	73.2	73.8	75.1	75.6	75.6	75.7	76.1	76.3	76.9
[illegible]	71.8	73.1	76.0	76.7	78.0	78.5	78.5	78.6	79.0	79.2	79.8
[illegible]	72.5	73.9	76.8	77.5	78.9	79.5	79.6	79.7	80.1	80.3	80.9
.1	74.4	75.7	78.6	79.6	81.1	81.6	81.7	81.8	82.3	82.5	83.0
[illegible]	76.1	77.6	81.0	81.0	83.4	84.0	84.1	84.2	84.6	84.8	85.4
[illegible]	77.6	79.6	83.1	84.1	85.6	86.1	86.2	86.3	86.8	87.0	87.5
[illegible]	79.0	81.1	85.2	86.2	87.7	88.3	88.4	88.5	88.9	89.5	90.2
.1	79.9	82.2	86.5	87.8	89.4	89.9	90.0	90.1	90.5	91.1	91.8
[illegible]	80.6	82.9	87.4	89.1	90.8	91.4	91.5	91.7	92.2	92.7	93.4
[illegible]	80.8	83.2	88.1	89.8	92.4	93.3	93.5	93.8	94.5	95.6	96.5
[illegible]	80.8	83.2	88.3	90.1	92.7	93.7	94.0	94.2	95.3	97.3	99.6
[illegible]	80.8	83.2	88.3	90.1	92.7	93.7	94.0	94.2	95.4	97.4	100.0

OPERATING LOCATION "A"
DEARFIAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CE
FROM HOURLY OBSERVATIONS

STATION NUMBER: 35553 STATION NAME: UPPER HEYWARD WAR HK PERIOD
EST TO UTC: - 0 MONTH:

CEILING IN FEET	VISIBILITY IN METERS 1	2	3	4	5	6	7	8	9	10
1) CEIL	24.3	24.4	24.4	27.5	28.8	29.5	29.5	30.2	30.4	31.0
2) 20000	25.3	25.3	25.3	29.7	30.4	30.6	30.8	32.4	32.5	33.1
3) 15000	25.3	25.3	25.3	29.7	30.4	30.5	30.5	32.4	32.5	33.1
4) 10000	25.3	25.3	25.3	29.7	30.4	30.5	30.5	32.4	32.5	33.1
5) 7000	25.3	25.3	25.4	29.7	30.4	30.5	30.8	32.4	32.5	33.1
6) 5000	25.3	25.3	25.3	29.7	30.4	30.5	30.8	32.4	32.5	33.1
7) 4000	28.3	28.5	31.1	32.2	33.0	33.2	33.3	34.9	35.2	35.7
8) 3000	29.4	29.5	31.2	32.3	33.1	33.3	33.4	35.1	35.3	35.7
9) 2000	31.1	31.3	34.0	35.1	35.9	36.1	36.2	37.0	37.1	37.6
10) 1500	32.0	32.2	35.2	36.2	37.1	37.4	37.5	39.1	39.4	39.9
11) 1000	32.5	32.8	35.4	36.5	37.3	37.6	37.7	39.4	39.6	40.1
12) 700	34.4	34.7	38.5	39.1	40.1	40.4	40.5	42.4	42.6	43.1
13) 500	37.0	38.3	41.5	45.3	44.7	45.4	45.7	47.5	47.7	48.3
14) 400	40.2	42.5	44.5	46.1	47.0	48.0	48.3	50.0	51.2	51.7
15) 300	41.3	41.5	46.3	47.5	49.0	49.3	50.4	52.4	52.6	53.1
16) 200	43.5	43.9	47.5	50.3	52.4	53.1	53.7	55.7	55.9	56.5
17) 150	45.0	45.3	51.0	53.3	55.2	56.3	56.5	58.7	59.4	59.9
18) 100	45.5	49.3	54.5	56.5	58.3	59.5	60.5	62.5	62.8	63.4
19) 70	48.1	49.7	55.4	57.5	59.3	60.5	61.4	63.4	63.7	64.4
20) 50	51.0	52.4	57.5	60.8	63.3	64.2	65.1	67.1	67.3	68.3
21) 20	53.7	54.3	61.0	63.5	66.2	67.2	68.1	70.1	72.5	71.9
22) 15	55.4	56.0	63.1	66.7	68.5	69.7	71.5	72.9	73.5	74.7
23) 10	56.1	57.4	64.3	67.5	71.5	71.3	73.3	75.2	75.2	77.1
24) 5	56.4	58.8	65.7	69.5	72.5	74.4	75.4	77.5	77.5	79.1
25) 0	59.2	59.9	66.4	71.3	74.5	75.5	77.2	79.4	81.5	82.1
26) 500	59.2	59.9	67.5	71.5	75.1	77.2	77.3	81.5	82.3	83.5
27) 400	60.1	60.8	69.5	72.7	76.5	78.9	81.0	83.9	84.9	85.1
28) 300	60.2	61.1	69.8	73.0	77.6	80.0	82.7	85.7	85.7	86.2
29) 200	60.2	61.1	69.8	73.0	77.6	80.2	83.0	86.2	87.4	88.4
30) 100	60.2	61.1	69.8	73.0	77.6	80.2	83.0	86.5	87.7	90.2
31) 000	60.2	61.1	69.8	73.0	77.6	80.2	83.0	86.7	88.0	91.0
32) 000	60.2	61.1	69.8	73.0	77.6	80.2	83.0	86.7	88.0	91.0

TOTAL NUMBER OF OBSERVATIONS 930

FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

AB [illegible]　　PERIOD OF RECORD: JUL 7[illegible] - JUN [illegible]
MONTH: DEC　HOURS: 03-05

VISIBILITY IN METERS

GE 32	GE 24	GE [illegible]	GE 16	GE 12	GE 10	GE 08	GE 05	GE 04	GE 00
[illegible]	30.2	30.4	31.0	31.1	31.2	31.3	31.7	31.9	32.6
[illegible]	32.4	32.6	33.1	33.2	33.3	33.4	33.9	34.1	34.7
[illegible]	32.4	32.6	33.1	33.2	33.3	33.4	33.9	34.1	34.7
[illegible]	32.4	32.6	33.1	33.2	33.3	33.4	33.9	34.1	34.7
[illegible]	32.4	32.6	33.1	33.2	33.3	33.4	33.9	34.1	34.7
[illegible]	32.4	32.6	33.1	33.2	33.3	33.4	33.9	34.1	34.7
[illegible]	[illegible]	[illegible]	35.7	[illegible]	35.9	36.0	36.5	36.7	37.3
[illegible]	35.1	[illegible]	[illegible]	[illegible]	[illegible]	36.1	36.6	36.8	37.4
[illegible]	[illegible]	[illegible]	[illegible]	38.7	[illegible]	39.0	39.4	39.6	40.2
[illegible]	39.1	39.4	[illegible]	[illegible]	40.1	40.2	40.5	40.9	41.5
[illegible]	[illegible]	[illegible]	40.1	40.2	40.3	40.4	40.9	41.1	41.7
[illegible]	42.4	[illegible]	43.1	43.2	43.3	43.4	43.9	44.1	44.7
[illegible]	[illegible]	47.7	[illegible]	48.4	[illegible]	48.5	[illegible]	49.2	[illegible]
[illegible]	[illegible]	51.0	[illegible]	[illegible]	51.7	[illegible]	52.3	52.5	53.1
[illegible]	[illegible]	52.9	53.1	53.2	53.3	53.4	53.9	54.1	54.7
[illegible]	55.7	[illegible]	[illegible]	55.7	[illegible]	55.9	57.3	57.5	58.2
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	61.2
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	64.0	64.1	64.5	64.7	65.4
[illegible]	63.4	63.7	[illegible]	64.7	[illegible]	64.9	65.4	65.6	66.2
[illegible]	67.1	67.3	[illegible]	[illegible]	[illegible]	68.6	69.0	69.2	69.9
[illegible]	70.1	[illegible]	[illegible]	71.9	72.0	72.2	72.5	[illegible]	73.4
[illegible]	[illegible]	[illegible]	74.7	[illegible]	74.9	75.1	75.5	75.7	76.3
[illegible]	[illegible]	[illegible]	[illegible]	77.1	[illegible]	77.3	77.7	78.0	78.6
[illegible]	[illegible]	[illegible]	[illegible]	79.9	[illegible]	80.1	80.5	80.8	81.4
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	83.1	83.2	83.7	83.9	84.5
[illegible]	[illegible]	[illegible]	83.5	83.7	83.9	84.0	84.4	84.6	85.3
[illegible]	83.9	[illegible]	85.1	85.2	85.7	[illegible]	87.2	87.6	88.2
[illegible]	85.7	[illegible]	[illegible]	88.3	88.7	[illegible]	89.4	89.7	90.3
[illegible]	86.2	87.4	89.4	89.6	90.1	90.2	91.1	91.5	92.6
[illegible]	86.5	87.7	90.2	90.5	91.3	91.6	93.3	94.3	95.7
[illegible]	86.7	[illegible]	91.0	91.7	92.4	92.9	94.9	97.4	99.6
[illegible]	86.7	[illegible]	91.0	91.7	92.4	92.9	94.9	97.4	100.0

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEIL
-3 HOURLY OBSERVATIONS

STATION NUMBER: 53653 STATION NAME: UPPER HEYFORD RAF UK PERIOD
LST TO UTC: - 0 MONTH:

CEILING IN FEET	3SM 1100	3SM 700	3SM 500	2SM 600	1SM 400	1SM 400	1/2SM 300	1/2SM 200	1/4SM 150	1/4SM 100
	VISIBILITY IN METERS									
NO CEIL	22.2	23.3	25.3	25.7	27.0	27.2	27.5	28.5	29.9	29.9
GE 20000	25.2	25.7	26.1	26.5	30.0	30.3	30.5	31.9	32.5	33.2
GE 15000	25.3	25.7	26.1	26.5	30.0	30.3	30.5	31.9	32.5	33.2
GE 14000	25.3	25.7	26.1	26.5	30.1	30.4	30.5	32.0	32.6	33.1
GE 13000	25.3	25.7	26.1	26.5	30.1	30.4	30.5	32.0	32.6	33.1
GE 12000	25.6	26.1	26.4	27.1	30.4	30.8	31.0	32.4	32.9	33.4
GE 10000	27.1	27.1	30.7	31.0	32.5	32.9	33.1	34.5	35.1	35.5
GE 9000	27.3	27.7	31.3	31.7	33.5	33.9	34.1	35.5	36.2	36.6
GE 8000	30.4	31.3	34.2	34.5	35.7	37.2	37.5	38.1	38.1	38.7
GE 7000	31.1	31.5	34.3	34.9	37.0	37.3	37.5	38.9	39.5	40.0
GE 6000	31.2	31.7	34.5	35.2	37.2	37.5	37.7	39.1	39.7	40.2
GE 5000	36.2	36.9	37.2	39.2	40.3	40.6	40.9	42.4	42.9	43.4
GE 4500	37.7	38.5	41.7	43.3	45.5	45.9	46.1	47.5	47.2	48.7
GE 4000	38.4	41.0	44.1	45.7	47.8	48.2	48.5	50.1	50.5	51.2
GE 3500	41.0	42.4	45.7	47.3	49.6	49.9	50.2	51.5	52.4	53.1
GE 3000	43.4	44.3	48.5	50.1	52.5	53.2	53.7	55.4	56.2	56.9
GE 2500	44.6	46.5	50.5	52.4	54.9	55.4	56.1	57.4	58.4	59.1
GE 2000	46.2	48.2	53.5	55.3	57.7	58.4	59.1	61.2	61.7	62.4
GE 1800	47.4	49.4	54.7	56.6	59.0	59.7	61.0	62.7	63.2	63.9
GE 1500	52.5	53.4	57.9	59.9	63.4	64.4	65.5	67.3	67.8	68.5
GE 1200	54.1	55.1	61.3	64.0	66.7	67.6	69.0	70.5	71.4	72.3
GE 1000	56.1	57.1	63.5	66.7	69.4	69.7	70.9	72.5	73.5	74.3
GE 900	57.1	58.1	64.5	66.5	69.4	70.7	71.2	74.1	74.5	75.5
GE 800	58.2	59.1	65.1	68.3	71.3	72.8	74.2	75.2	77.2	77.7
GE 700	58.5	61.4	67.5	70.2	73.4	74.9	76.7	78.9	79.9	80.
GE 600	59.4	60.5	68.9	70.9	74.4	75.9	77.6	80.0	81.0	81.7
GE 500	59.2	61.4	69.5	72.0	76.0	77.3	79.3	82.5	83.3	84.2
GE 400	59.4	61.5	70.2	72.7	77.2	79.0	81.0	84.0	85.2	85.8
GE 300	59.4	61.5	70.2	72.7	77.4	79.4	81.4	84.9	86.2	86.9
GE 200	59.4	61.5	70.2	72.7	77.5	79.5	81.5	85.5	87.0	88.4
GE 100	59.4	61.5	70.2	72.7	77.5	79.5	81.5	85.5	87.0	88.4
GE 0	59.4	61.5	70.2	72.7	77.5	79.5	81.5	85.5	87.0	88.4

TOTAL NUMBER OF OBSERVATIONS 930

FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

VOLKEL RAF UK PERIOD OF RECORD: JUL 73 - JUN 82
MONTH: DEC HOURS: 06-08

ILITY IN METERS									
GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
27.5	28.5	28.9	29.5	29.9	30.0	30.0	30.5	31.0	31.6
30.5	31.9	32.5	33.0	33.4	33.5	33.5	34.1	34.6	35.3
30.5	31.9	32.5	33.0	33.4	33.5	33.5	34.1	34.6	35.3
30.5	32.0	32.6	33.1	33.5	33.7	33.7	34.2	34.7	35.4
30.5	32.0	32.6	33.1	33.5	33.7	33.7	34.2	34.7	35.4
31.0	32.4	32.9	33.4	33.9	34.0	34.0	34.5	35.1	35.7
33.1	34.5	35.1	35.6	36.1	36.2	36.2	36.8	37.3	38.0
36.1	36.5	36.9	36.6	37.1	37.2	37.2	37.7	38.3	38.9
37.2	38.5	39.1	39.7	40.2	40.3	40.3	40.9	41.4	42.0
37.5	38.9	39.5	40.1	40.5	40.6	40.6	41.2	41.7	42.4
37.7	39.1	39.7	40.2	40.8	40.9	40.9	41.4	41.9	42.6
40.9	42.4	42.9	43.4	44.1	44.2	44.2	44.7	45.3	45.9
46.1	47.5	47.2	48.7	49.5	49.6	49.6	50.2	50.8	51.4
49.9	50.1	50.5	51.2	51.9	52.2	52.2	52.8	53.3	54.0
50.2	51.5	52.4	52.9	53.7	53.9	53.9	54.5	55.1	55.7
52.7	55.4	53.9	55.5	57.3	57.5	57.5	58.2	58.7	59.4
56.1	57.2	58.4	59.0	59.8	60.0	60.0	60.5	61.2	61.8
59.5	61.2	61.7	62.4	63.1	63.3	63.3	64.0	64.5	65.2
61.0	62.7	63.2	63.9	64.6	64.8	64.8	65.5	66.0	66.7
65.5	67.3	67.8	68.5	69.2	69.5	69.5	70.1	70.6	71.3
69.2	70.5	71.4	72.0	72.8	73.0	73.0	73.7	74.2	74.8
70.9	72.3	73.5	74.3	75.1	75.3	75.3	75.9	76.5	77.1
72.2	74.1	74.8	75.6	76.3	76.6	76.7	77.3	77.8	78.5
73.2	75.2	77.0	77.7	78.5	78.7	78.8	79.5	80.0	80.6
76.7	78.9	79.9	80.8	81.5	81.7	81.8	82.5	83.0	83.7
77.6	80.9	81.0	81.8	82.5	82.8	82.9	83.5	84.1	84.7
79.3	82.5	83.8	84.8	86.0	86.3	86.5	87.3	87.8	88.5
81.0	84.0	85.2	86.3	87.5	88.0	88.1	89.1	89.7	90.5
81.4	84.9	86.2	88.0	89.2	89.8	89.9	91.0	91.5	92.7
81.5	85.5	87.0	88.8	90.6	91.2	91.4	93.1	94.1	95.4
81.5	85.5	87.0	89.4	91.6	92.3	93.0	95.7	97.2	99.5
81.5	85.5	87.0	89.4	91.6	92.3	93.0	95.7	97.2	100.0

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEI
FROM HOURLY OBSERVATIONS

STATION NUMBER: 36563 STATION NAME: UPPER MEYERPS RAF UK PERIOD
LST TO UTC: - 0 MONTH:

CEILING IN FEET	VISIBILITY IN METERS 9E 11K	9F 8K	9E 4K	9C 6K	9E 4K	9D 4K	9C 3K	9B 2K	9A 1K	9S 1K
NO CEIL	17.7	18.9	21.2	21.9	24.1	24.5	25.4	25.5	25.9	26.3
9F 20000	22.9	23.2	26.5	27.5	30.0	30.5	31.5	32.3	32.4	32.4
9E 15000	22.9	23.2	26.5	27.5	30.0	30.5	31.5	32.3	32.4	32.5
9D 15000	22.9	23.2	26.5	27.5	30.0	30.5	31.5	32.3	32.4	32.5
9C 14000	22.9	23.2	26.5	27.5	30.0	30.5	31.2	32.3	32.4	32.5
9B 12000	23.5	23.5	27.2	28.3	30.6	31.3	32.5	32.9	33.3	33.1
9A 10000	24.7	26.1	29.7	29.5	32.7	33.4	34.5	35.4	35.4	35.[illegible]
9S 9000	28.5	30.5	33.4	39.4	33.3	34.1	35.5	35.3	35.5	35.[illegible]
9R 8000	2[illegible].4	3[illegible].4	36.3	35.1	35.2	38.7	40.2	41.1	41.3	41.[illegible]
9P 7000	28.9	29.3	34.7	35.3	38.7	39.5	41.0	41.[illegible]	42.0	42.3
9N 6000	29.1	29.7	34.9	36.9	38.9	39.7	41.2	42.[illegible]	42.3	42.[illegible]
9M 5000	31.6	31.5	37.5	39.5	41.[illegible]	42.5	44.1	44.9	45.2	45.[illegible]
9L 4500	33.[illegible]	34.8	40.0	41.7	43.6	45.3	47.[illegible]	4[illegible].7	4[illegible].3	45.[illegible]
9K 4000	37.5	37.5	43.4	45.2	47.1	49.3	51.4	52.7	52.[illegible]	53.5
9J 3500	37.2	38.7	44.7	46.5	50.9	51.6	53.1	54.4	54.5	55.3
9H 3000	39.7	4[illegible].3	45.7	47.5	53.0	53.8	55.3	56.5	55.[illegible]	57.5
9G 2500	41.1	41.7	45.2	50.0	54.5	55.5	57.0	5[illegible].3	5[illegible]	58.7
9F 2000	43.5	44.2	51.5	54.3	55.5	59.5	61.0	62.3	62.[illegible]	63.7
9E 1500	44.5	46.2	52.7	55.1	59.3	61.0	62.5	63.[illegible]	64.3	65.[illegible]
9D 1500	46.2	47.5	55.4	55.[illegible]	63.4	65.2	66.7	67.1	68.5	69.[illegible]
9C 1200	4[illegible].5	49.2	56.2	61.1	66.1	67.5	69.1	70.5	71.1	72.[illegible]
9B 1000	48.[illegible]	5[illegible].4	59.0	62.9	68.4	70.0	71.5	73.0	7[illegible].5	74.7
9A 900	50.[illegible]	51.4	61.1	64.4	70.0	71.7	73.3	74.7	75.3	75.[illegible]
9S 800	51.[illegible]	52.2	62.7	65.0	72.[illegible]	74.3	75.[illegible]	7[illegible].2	7[illegible].7	7[illegible]
9R 700	51.5	52.4	63.2	66.5	73.4	75.5	77.5	79.1	79.[illegible]	81.4
9P 600	51.5	52.5	63.7	67.0	74.0	76.5	7[illegible].4	80.1	82.[illegible]	82.[illegible]
9N 500	51.[illegible]	52.7	64.1	67.5	74.3	77.5	79.4	82.7	83.5	85.5
9M 400	51.[illegible]	52.7	64.1	67.5	75.5	78.2	81.1	84.4	85.4	87.5
9L 300	51.5	52.7	64.1	67.5	75.7	78.4	81.3	84.8	86.0	88.4
9K 200	51.[illegible]	52.7	64.1	67.5	75.7	78.4	81.4	85.1	86.5	88.[illegible]
9J 100	51.[illegible]	52.7	64.1	67.5	75.7	78.4	81.4	85.1	86.5	88.[illegible]
9H 000	51.[illegible]	52.7	64.1	67.5	75.7	78.4	81.4	85.1	86.5	88.[illegible]

TOTAL NUMBER OF OBSERVATIONS 330

ASE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

RECORD RAF UK

PERIOD OF RECORD: JUL 78 - JUN 88
MONTH: DEC HOURS: 09-11

CEILING IN METERS / VISIBILITY IN METERS	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
[illegible]	25.4	25.8	25.9	25.9	26.0	26.5	26.5	26.5	26.8	27.4
[illegible]	31.8	32.3	32.4	32.4	32.5	32.9	32.9	32.9	33.3	34.1
[illegible]	31.8	32.3	32.4	32.5	32.5	33.0	33.0	33.0	33.4	34.2
[illegible]	31.8	32.3	32.4	32.5	32.5	33.0	33.0	33.0	33.4	34.2
[illegible]	31.8	32.3	32.4	32.5	32.6	33.0	33.0	33.0	33.4	34.2
[illegible]	32.5	32.9	33.0	33.1	33.2	33.7	33.7	33.7	34.1	34.8
[illegible]	34.5	35.4	35.5	35.8	35.9	35.3	36.3	36.3	36.8	37.5
[illegible]	35.5	36.3	36.5	36.8	36.9	37.4	37.4	37.4	37.8	38.6
[illegible]	40.2	41.1	41.3	41.5	41.8	42.5	42.5	42.5	42.9	43.8
[illegible]	41.0	41.9	42.0	42.3	42.6	43.2	43.2	43.2	43.7	44.5
[illegible]	41.2	42.0	42.3	42.5	42.8	43.4	43.4	43.4	43.9	44.7
[illegible]	44.1	44.9	45.2	45.6	46.0	46.7	46.7	46.7	47.1	48.0
[illegible]	47.4	48.7	49.9	49.4	49.8	50.4	50.4	50.5	51.0	51.8
[illegible]	51.4	52.7	52.9	53.5	54.0	54.8	54.8	55.2	55.6	56.5
[illegible]	53.1	54.4	54.6	55.3	55.7	56.6	56.6	56.9	57.3	58.3
[illegible]	55.3	56.5	56.9	57.5	58.1	58.9	58.9	59.2	59.7	60.8
[illegible]	57.0	58.3	58.9	59.7	60.2	61.1	61.1	61.4	61.8	62.9
[illegible]	61.0	62.3	62.8	63.7	64.2	65.1	65.1	65.4	65.8	66.9
[illegible]	62.5	63.8	64.3	65.2	65.7	66.6	66.6	66.9	67.3	68.4
[illegible]	66.7	68.1	68.6	69.6	70.1	71.0	71.0	71.3	71.7	72.8
[illegible]	69.1	70.5	71.1	72.3	72.6	73.4	73.4	73.8	74.2	75.3
[illegible]	71.6	73.0	73.5	74.7	75.3	76.1	76.1	76.5	76.9	78.0
[illegible]	73.3	74.7	75.3	76.5	77.0	78.0	78.0	78.3	78.7	79.8
[illegible]	75.8	78.2	78.7	80.0	80.5	81.5	81.5	81.8	82.3	83.3
[illegible]	77.5	79.1	79.8	81.4	82.0	83.0	83.0	83.3	83.8	84.8
[illegible]	78.4	80.1	80.8	82.5	83.2	84.2	84.4	84.7	85.2	86.2
[illegible]	79.8	82.7	83.5	85.5	86.2	87.3	87.5	88.0	88.6	89.7
[illegible]	81.1	84.4	85.4	87.5	88.5	89.6	89.8	90.3	91.1	92.3
[illegible]	81.3	84.8	86.0	88.4	90.0	91.2	91.4	91.9	92.7	94.1
[illegible]	81.4	85.1	86.5	88.8	90.5	92.3	92.7	93.8	95.5	97.3
[illegible]	81.4	85.1	86.5	88.8	90.6	92.4	93.0	94.6	96.7	100.0
[illegible]	81.4	85.1	86.5	88.8	90.6	92.4	93.0	94.6	96.7	100.0

OPERATING LOCATION WAW
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CE
FROM HOURLY OBSERVATIONS

STATION NUMBER: 36583 STATION NAME: UPPER HEYFORD RAF UK PERIOD
LST TO UTC: - 0 MONTH:

CEILING IN FEET	VISIBILITY IN METERS 9E 11	9C 10	8E 80	8C 60	6E 45	6C 40	3E 32	2E 24	1E 20	1C 16
NO CEIL	19.2	19.2	21.5	22.3	23.3	24.0	24.3	24.5	24.9	24.9
9E 20000	23.4	23.4	27.5	28.7	30.5	30.9	31.5	31.4	32.4	32.4
9C 15000	23.4	23.4	27.5	28.7	30.5	31.1	31.3	32.0	32.5	32.5
8E 15000	23.4	23.4	27.5	28.7	30.[illegible]	31.1	31.3	32.[illegible]	32.5	32.[illegible]
8C 14000	23.7	23.7	28.1	28.9	31.0	31.3	32.0	32.5	32.[illegible]	32.[illegible]
6E 12000	24.1	24.1	29.5	29.5	31.6	31.[illegible]	32.6	32.9	33.4	33.4
6C 10000	25.9	25.9	30.9	31.1	34.2	34.5	35.5	35.9	35.[illegible]	35.[illegible]
5E 9000	27.2	27.2	31.9	32.9	35.3	35.5	35.5	37.4	3[illegible].1	3[illegible].1
5C 8000	29.1	29.2	35.2	35.5	38.9	39.5	40.5	41.3	41.9	41.9
4E 7000	29.5	29.7	35.2	35.9	40.3	41.0	42.2	42.[illegible]	43.6	43.6
4C 6000	29.9	30.2	36.3	38.5	40.9	41.5	42.7	43.3	44.[illegible]	44.[illegible]
3E 5000	32.7	32.[illegible]	40.1	41.9	44.3	45.3	46.5	47.1	47.1	4[illegible].1
3C 4000	35.5	35.7	44.3	45.1	48.5	49.5	50.5	51.3	52.3	52.3
2E 3000	40.[illegible]	40.[illegible]	48.5	50.5	53.5	54.5	55.1	57.1	58.1	58.1
2C 2500	41.4	41.[illegible]	50.3	52.5	55.4	56.7	57.3	5[illegible].5	60.4	7[illegible].5
1E 2000	42.2	43.2	53.1	55.4	58.5	59.9	61.2	62.2	63.1	63.1
1C 1500	44.3	44.5	54.5	56.9	63.1	61.4	63.7	63.7	64.5	64.5
0E 1200	45.5	45.[illegible]	55.0	61.1	64.7	65.0	67.5	69.3	69.2	69.4
0C 1000	47.[illegible]	47.2	58.5	61.5	65.5	66.5	68.1	69.9	70.5	70.1
9E 1500	50.2	71.1	63.2	66.5	70.3	72.2	73.4	74.5	75.5	75.5
9C 12	52.4	52.[illegible]	66.2	70.0	74.[illegible]	75.5	77.[illegible]	79.3	79.5	79.1
8E 1000	53.9	54.3	68.3	73.0	78.2	80.0	81.4	82.5	83.4	83.7
8C 900	54.5	55.5	69.5	73.3	78.9	80.9	82.3	83.4	84.4	84.7
7E 800	54.7	55.7	70.3	74.7	80.2	82.3	83.3	85.1	85.1	85.7
7C 700	54.9	55.9	70.9	75.3	81.1	83.2	85.2	85.7	[illegible]	8[illegible].5
6E 600	55.1	56.1	71.2	75.3	81.3	84.1	86.1	87.3	88.5	90.2
6C 500	55.1	56.1	71.3	75.9	82.3	85.2	87.7	90.1	91.9	92.5
5E 400	55.1	56.1	71.3	75.9	82.9	85.5	88.5	91.2	93.[illegible]	93.[illegible]
5C 300	55.1	56.1	71.3	75.9	83.0	85.5	88.6	91.5	93.4	94.4
4E 200	55.1	56.1	71.3	75.9	83.0	85.7	88.7	91.7	93.7	94.5
4C 100	55.1	56.1	71.3	75.9	83.0	85.7	88.7	91.7	93.7	94.5
3E 000	55.1	56.1	71.3	75.9	83.0	85.7	88.7	91.7	93.7	94.5

TOTAL NUMBER OF OBSERVATIONS 930

NTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

F-2 HEYFORD RAF UK PERIOD OF RECORD: JUL 78 - JUN 88
MONTH: DEC HOURS: 12-14

VISIBILITY IN METERS										
GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
24.0	24.3	24.5	24.9	24.9	24.9	25.1	25.1	25.2	25.2	25.8
30.9	31.6	31.9	32.4	32.4	32.4	32.5	32.5	32.6	32.6	33.3
31.1	31.8	32.0	32.6	32.6	32.6	32.7	32.7	32.8	32.8	33.5
31.1	31.8	32.0	32.6	32.6	32.6	32.7	32.7	32.8	32.8	33.5
31.3	32.0	32.3	32.8	32.8	32.8	32.9	32.9	33.0	33.0	33.8
31.8	32.6	32.9	33.4	33.4	33.4	33.5	33.5	33.7	33.7	34.4
34.5	35.5	35.9	35.6	35.6	35.6	36.7	36.7	36.8	36.8	37.5
35.6	35.6	37.4	38.1	38.1	38.1	38.2	38.2	38.3	38.3	39.0
39.6	40.5	41.3	41.9	41.9	41.9	42.0	42.0	42.2	42.2	42.9
41.0	42.2	42.9	43.4	43.4	43.4	43.5	43.5	43.7	43.7	44.4
41.5	42.7	43.3	44.0	44.0	44.0	44.1	44.1	44.2	44.2	44.9
45.3	46.5	47.1	48.1	48.1	48.1	48.2	48.2	48.3	48.3	49.0
49.6	50.5	51.3	52.3	52.3	52.3	52.4	52.4	52.5	52.5	53.2
54.6	55.1	57.1	58.1	58.1	58.1	58.2	58.2	58.3	58.3	59.0
59.7	59.8	59.9	60.9	60.9	60.9	60.0	60.0	60.1	60.1	61.0
62.9	61.2	62.2	63.1	63.1	63.1	63.4	63.4	63.7	63.7	64.5
61.4	62.7	63.7	64.5	64.5	64.5	64.9	64.9	65.2	65.2	66.0
66.9	67.3	68.3	69.2	69.4	69.4	69.7	69.7	69.9	69.9	70.8
69.6	69.1	69.0	70.0	70.1	70.1	70.4	70.4	70.6	70.6	71.5
72.2	73.4	74.5	75.6	75.6	75.6	75.9	75.9	76.1	76.1	77.0
75.6	77.8	78.9	79.9	80.1	80.1	80.4	80.4	80.8	80.8	81.6
80.0	81.4	82.5	83.4	83.7	83.7	84.0	84.0	84.3	84.3	85.2
80.9	82.3	83.4	84.4	84.7	84.7	85.1	85.1	85.4	85.4	86.2
82.3	83.3	85.1	86.1	86.7	86.8	87.1	87.2	87.6	87.6	88.5
83.2	85.2	86.7	88.0	88.6	88.8	89.1	89.2	89.7	89.7	90.5
84.1	86.1	87.8	89.6	90.2	90.4	90.8	90.9	91.3	91.3	92.2
85.2	87.7	90.1	91.9	92.6	92.8	93.2	93.3	93.9	93.9	94.7
85.6	88.5	91.2	93.0	93.8	94.0	94.4	94.5	95.1	95.1	96.0
85.6	88.6	91.6	93.4	94.4	94.9	95.4	95.5	96.2	96.2	97.3
85.7	88.7	91.7	93.7	94.6	95.5	95.9	96.0	97.0	97.6	99.0
85.7	88.7	91.7	93.7	94.6	95.5	95.9	96.1	97.2	97.8	100.0
85.7	88.7	91.7	93.7	94.6	95.5	95.9	96.1	97.2	97.8	100.0

OPERATING LOCATION "A"
USAFRTAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF C
FROM HOURLY OBSERVATIONS

STATION NUMBER: 35553 STATION NAME: UPPER HEYFORD RAF UK PERIOD
LST TO UTC: - 0 MONTH:

CEILING IN FEET	VISIBILITY IN METERS 112	80	50	50	40	40	32	24	20	16
NO CEIL	18.9	19.6	20.9	22.2	24.5	24.7	24.9	25.3	25.3	25.5
GE 20000	23.[illegible]	23.7	27.4	28.9	31.5	31.5	32.2	32.5	32.5	32.[illegible]
GE 18000	23.5	23.7	27.4	28.9	31.5	31.9	32.3	32.7	32.7	32.9
GE 15000	23.5	23.7	27.4	28.9	31.5	31.9	32.3	32.7	32.7	32.9
GE 14000	23.[illegible]	23.9	27.7	29.2	31.9	32.3	32.6	33.0	33.0	33.2
GE 12000	24.1	24.2	28.2	29.6	32.5	32.9	33.2	33.7	33.7	33.9
GE 10000	25.9	26.3	29.5	31.3	34.3	34.7	35.2	35.6	35.6	35.9
GE 9000	26.1	26.2	30.4	32.3	35.3	35.7	36.1	36.5	36.5	36.9
GE 8000	26.5	26.4	33.4	35.3	38.4	38.8	39.5	40.1	40.1	40.4
GE 7000	29.0	29.1	34.[illegible]	36.7	39.9	40.3	41.3	41.[illegible]	41.[illegible]	42.2
GE 6000	29.1	29.2	36.3	37.2	40.4	40.9	41.3	42.4	42.4	42.7
GE 5000	31.2	31.6	37.5	39.9	43.0	43.4	44.[illegible]	45.5	45.[illegible]	46.3
GE 4500	35.9	36.[illegible]	42.9	44.7	48.2	48.7	50.1	51.[illegible]	51.9	51.9
GE 4000	40.9	41.9	48.3	50.2	53.9	54.3	55.5	56.5	57.[illegible]	7.[illegible]
GE 3500	43.2	43.8	51.2	53.2	57.9	57.4	59.0	59.5	60.2	61.1
GE 3000	45.7	45.[illegible]	54.3	56.5	60.5	61.2	62.9	63.9	64.3	65.2
GE 2500	45.0	47.9	55.9	58.3	62.3	63.4	65.2	66.1	66.4	67.4
GE 2000	48.4	54.5	63.2	62.9	67.5	68.3	70.0	71.0	71.4	72.3
GE 1500	50.9	60.1	61.1	68.9	68.5	69.2	71.0	71.9	72.4	73.2
GE 1000	52.5	62.7	64.7	67.5	73.0	73.0	75.5	76.5	77.0	78.0
GE 1200	54.3	54.4	67.2	70.4	75.3	76.7	78.5	79.5	79.9	80.9
GE 1000	54.9	55.9	69.0	72.7	79.2	79.0	81.1	82.2	82.5	83.5
GE 900	55.2	56.4	69.2	72.9	78.6	79.5	81.5	82.4	83.0	84.2
GE 800	55.7	55.9	70.1	74.4	80.4	81.5	83.7	84.9	85.3	86.5
GE 700	55.1	55.9	70.3	74.8	81.5	83.0	85.2	85.9	87.3	88.9
GE 600	55.2	56.1	70.5	75.2	81.8	83.4	85.7	87.5	88.8	90.2
GE 500	55.1	55.5	71.1	75.7	82.5	84.2	85.5	89.0	90.3	91.5
GE 400	55.2	55.6	71.4	75.9	83.1	84.9	87.7	90.4	91.8	93.7
GE 300	55.2	56.5	71.5	76.1	83.2	85.1	87.5	90.5	91.5	94.3
GE 200	56.2	56.6	71.5	76.1	83.2	85.1	87.8	90.5	91.7	94.5
GE 100	56.2	56.6	71.5	76.1	83.2	85.1	87.8	90.5	91.7	94.5
GE 000	56.2	56.6	71.5	76.1	83.2	85.1	87.8	90.5	91.7	94.5

TOTAL NUMBER OF OBSERVATIONS 930

TAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

HEYFORD RAF UK PERIOD OF RECORD: JUL 78 - JUN 88
MONTH: DEC HOURS: 15-17

VISIBILITY IN METERS										
GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
24.7	24.9	25.3	25.3	25.5	25.5	25.5	25.5	25.5	25.5	25.9
31.9	32.2	32.6	32.6	32.6	32.6	32.9	32.9	32.9	32.9	33.5
31.9	32.3	32.7	32.7	32.9	32.9	33.0	33.0	33.0	33.0	33.7
31.9	32.3	32.7	32.7	32.9	32.9	33.0	33.0	33.0	33.0	33.7
32.3	32.6	33.0	33.0	33.2	33.2	33.3	33.3	33.3	33.3	34.0
32.9	33.2	33.7	33.7	33.9	33.9	34.0	34.0	34.0	34.0	34.6
34.7	35.2	35.6	35.6	35.6	35.9	35.9	35.9	35.9	35.9	36.6
35.7	36.1	36.5	36.5	36.9	36.9	37.0	37.0	37.0	37.0	37.6
39.9	39.6	40.1	40.1	40.4	40.4	40.5	40.5	40.5	40.5	41.2
40.3	41.3	41.8	41.8	42.2	42.2	42.3	42.3	42.3	42.3	42.9
41.9	41.8	42.4	42.4	42.7	42.7	42.8	42.8	42.8	42.8	43.4
43.4	44.8	45.5	45.5	46.3	46.3	46.6	46.6	46.6	46.6	47.2
49.7	50.1	50.8	51.2	51.9	52.0	52.3	52.3	52.3	52.3	52.9
54.8	56.8	56.6	57.0	57.2	58.0	58.2	58.2	58.2	58.2	58.8
57.4	59.0	59.4	60.2	61.1	61.2	61.4	61.4	61.4	61.4	62.0
61.2	62.9	63.9	64.3	65.2	65.4	65.6	65.6	65.6	65.6	66.2
63.4	66.2	66.1	66.6	67.4	67.6	67.8	68.0	68.0	68.0	68.6
69.3	70.0	71.0	71.4	72.3	72.8	72.7	72.8	72.8	72.8	73.4
70.2	71.0	71.9	72.4	73.2	73.4	73.7	73.8	73.8	73.8	74.4
73.0	75.6	76.6	77.0	78.0	78.2	78.4	78.5	78.5	78.5	79.1
74.7	78.5	79.5	79.9	80.9	81.1	81.3	81.4	81.4	81.4	82.0
79.6	81.1	82.2	82.6	83.5	83.8	84.0	84.1	84.1	84.1	84.7
79.6	81.9	82.6	83.0	84.2	84.4	84.6	84.7	84.7	84.7	85.4
81.6	83.7	84.8	85.3	86.3	87.1	87.3	87.4	87.4	87.4	88.1
83.9	85.2	86.9	87.3	88.9	89.2	89.5	89.6	89.6	89.6	90.2
83.4	85.7	87.6	88.3	90.0	90.3	90.5	90.6	90.6	90.6	91.3
84.2	85.8	89.0	89.8	91.6	92.3	92.5	92.7	93.0	93.1	93.8
84.7	87.7	90.4	91.3	93.7	94.3	94.6	94.9	95.3	95.4	96.0
85.1	87.8	90.6	91.5	94.3	95.2	95.7	96.2	96.7	97.0	97.6
85.1	87.8	90.6	91.7	94.5	95.5	96.2	97.2	97.6	98.0	98.8
85.1	87.8	90.6	91.7	94.5	95.5	96.2	97.2	97.6	98.0	99.8
85.1	87.8	90.6	91.7	94.5	95.5	96.2	97.2	97.6	98.0	100.0

OPERATING LOCATION WAW
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF C
FROM HOURLY OBSERVATIONS

STATION NUMBER: 36553 STATION NAME: UPPER HOYERD RAF UK
LST TO UTC: - 0

CEILING IN FEET	VISIBILITY IN METERS GE 11?	GE 9?	GE 80	GE 60	GE 40	GE 40	GE 32	GE 24	GE 20	GE 16
NO CEIL	22.5	22.7	24.7	25.7	27.3	27.6	28.2	25.3	24.3	24.2
GE 20000	28.6	29.3	28.0	29.0	30.6	31.0	31.5	31.5	31.5	32.7
GE 18000	28.6	29.3	28.0	29.0	30.6	31.0	31.5	31.6	31.6	32.7
GE 16000	28.6	29.6	28.0	29.0	30.6	31.0	31.5	31.6	31.6	32.7
GE 14000	28.3	29.3	28.1	29.1	30.[illegible]	31.1	31.5	31.7	31.7	32.[illegible]
GE 12000	28.0	28.2	28.5	29.5	31.[illegible]	31.5	32.0	32.2	32.2	33.2
GE 10000	27.2	27.4	30.4	31.5	33.1	33.4	34.4	34.5	34.5	35.5
GE 9000	2[illegible].7	2[illegible].3	31.2	33.0	34.6	34.9	35.3	35.0	35.3	37.1
GE 8000	31.2	31.4	3[illegible].3	35.5	33.5	39.[illegible]	40.2	43.5	4[illegible]	41.[illegible]
GE 7000	32.3	32.3	35.5	37.7	39.[illegible]	40.1	41.5	41.5	41.5	43.[illegible]
GE 6000	32.3	32.3	35.5	37.7	39.[illegible]	40.1	41.5	41.5	41.5	4[illegible].2
GE 5000	33.7	33.9	36.3	39.[illegible]	42.0	42.5	44.3	44.7	44.7	45.1
GE 4500	36.[illegible]	37.1	41.5	43.1	45.5	46.3	47.[illegible]	4[illegible].4	4[illegible].4	4[illegible]
GE 4000	41.2	41.2	45.2	47.7	50.2	50.6	52.5	53.0	53.3	54.[illegible]
GE 3500	43.4	43.4	48.9	50.5	53.2	53.7	55.3	55.3	55.3	57.5
GE 3000	45.5	46.2	51.4	53.1	55.3	56.2	57.1	58.6	5[illegible].5	5[illegible].[illegible]
GE 2500	47.2	47.[illegible]	53.2	54.9	57.5	58.1	59.0	59.5	59.5	62.3
GE 2000	53.1	53.[illegible]	57.0	58.[illegible]	61.5	62.0	64.0	64.7	64.7	69.5
GE 1500	56.5	61.3	63.0	59.9	62.7	63.1	65.1	65.[illegible]	65.[illegible]	67.[illegible]
GE 1000	64.7	65.4	67.3	64.9	68.5	69.0	70.9	71.5	71.5	73.7
GE 1200	65.[illegible]	65.5	64.4	66.7	70.5	71.2	73.1	73.[illegible]	73.[illegible]	75.[illegible]
GE 1000	67.0	67.5	66.7	69.1	73.5	74.4	75.9	77.5	77.5	79.[illegible]
GE 900	67.5	68.2	67.3	69.9	74.5	75.4	77.5	7[illegible].5	7[illegible].5	[illegible].[illegible]
GE 800	67.5	69.0	69.7	72.5	77.4	78.3	81.5	82.4	82.4	84.7
GE 700	69.5	70.1	70.1	72.9	78.1	79.7	82.4	83.4	83.4	86.1
GE 600	69.5	70.6	71.0	73.5	79.5	81.1	84.1	85.5	85.7	8[illegible].5
GE 500	69.1	61.0	72.3	75.1	80.9	82.9	86.0	87.5	87.7	91.1
GE 400	69.1	61.0	72.3	75.3	81.2	83.2	85.7	88.5	89.1	92.4
GE 300	69.1	61.0	72.3	75.3	81.2	83.2	85.9	89.1	89.7	93.5
GE 200	69.1	61.0	72.3	75.3	81.2	83.2	86.9	89.4	90.0	94.4
GE 100	69.1	61.0	72.3	75.3	81.2	83.2	86.9	89.4	90.1	94.5
GE 000	69.1	61.0	72.3	75.3	81.2	83.2	85.4	89.4	90.1	94.5

TOTAL NUMBER OF OBSERVATIONS 930

TAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

METEFRO RAF UK PERIOD OF RECORD: JUL 75 - JUN 88
MONTH: DEC HOURS: 13-20

VISIBILITY IN METERS										
GE 46	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
27.6	28.2	28.3	28.3	29.2	29.2	29.5	29.5	29.7	30.0	30.0
31.0	31.5	31.6	31.6	32.7	32.8	33.0	33.1	33.3	33.7	33.7
31.0	31.5	31.6	31.6	32.7	32.8	33.0	33.1	33.3	33.7	33.7
31.0	31.5	31.6	31.6	32.7	32.8	33.0	33.1	33.3	33.7	33.7
31.1	31.6	31.7	31.7	32.8	32.9	33.1	33.2	33.4	33.8	33.8
32.5	32.0	32.2	32.2	33.2	33.3	33.5	33.7	33.9	34.2	34.2
33.4	34.4	34.5	34.5	35.5	35.7	35.9	36.0	36.2	36.5	36.6
34.9	35.9	36.0	36.0	37.1	37.2	37.4	37.5	37.7	38.1	38.1
[illegible]	40.2	40.5	40.5	41.6	41.7	41.9	42.0	42.3	42.6	42.6
40.1	41.6	41.8	41.8	42.9	43.0	43.2	43.3	43.5	43.9	43.9
40.1	41.5	41.8	41.8	42.9	43.0	43.2	43.3	43.5	43.9	43.9
43.5	44.3	44.7	44.7	46.1	46.2	46.5	46.6	46.8	47.1	47.1
46.0	47.3	47.4	47.4	49.8	49.9	50.1	50.2	50.4	50.8	50.8
52.5	52.5	53.0	53.0	54.6	54.8	55.1	55.2	55.4	55.7	55.7
53.7	53.5	55.0	55.0	57.6	57.8	58.1	58.2	58.4	58.7	58.7
57.2	58.1	58.6	58.6	60.8	60.5	60.8	60.9	61.1	61.4	61.4
59.1	60.0	60.5	60.5	62.8	62.5	62.7	62.9	63.0	63.3	63.3
54.0	54.0	54.7	54.7	66.5	66.7	66.9	67.0	67.2	67.5	67.5
63.1	65.1	65.8	65.8	67.5	67.7	68.0	68.1	68.3	68.6	68.6
70.9	70.9	71.6	71.6	73.7	74.0	74.2	74.4	74.6	74.9	74.9
71.2	73.1	73.9	73.9	75.9	76.2	76.5	76.7	76.9	77.2	77.2
74.4	76.9	77.5	77.5	79.9	80.2	80.4	80.6	80.9	81.2	81.2
75.4	77.5	78.6	78.6	80.9	81.2	81.4	81.6	81.8	82.2	82.2
78.9	81.5	82.4	82.4	84.7	85.1	85.3	85.5	85.7	86.0	86.0
79.7	82.4	83.4	83.4	85.1	86.5	86.7	86.9	87.1	87.4	87.4
81.1	84.1	85.5	85.7	88.6	88.9	89.1	89.4	89.6	89.9	89.9
82.9	86.0	87.5	87.7	91.1	91.4	91.6	91.8	92.0	92.4	92.4
83.2	85.7	88.6	89.1	92.6	93.0	93.2	93.4	93.7	94.0	94.0
83.2	85.9	89.1	89.7	93.5	94.0	94.2	94.4	94.6	95.2	95.3
83.2	86.9	89.4	90.0	94.4	95.3	95.5	95.8	96.2	96.8	97.5
83.2	86.9	89.4	90.1	94.5	95.5	95.7	96.0	96.3	97.8	99.6
83.2	85.9	89.4	90.1	94.5	95.5	95.7	96.0	96.3	97.8	100.0

OPERATING LOCATION MAP
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF
FROM HOURLY OBSERVATIONS

STATION NUMBER: 36563 STATION NAME: UPPER HAYFORD RAF UK
LST TO UTC: - 0

CEILING IN FEET	VISIBILITY IN METERS 37 112	36 93	35 80	34 60	33 46	32 40	31 32	30 24	29 20	28 1[illegible]
NO CEIL	25.2	25.4	27.7	29.0	31.4	31.6	32.0	33.0	33.0	33.
GE 20000	26.5	26.9	29.2	30.5	32.9	33.0	33.5	34.5	34.[illegible]	35.
GE 18000	26.5	26.9	29.2	30.5	32.9	33.0	33.5	34.5	34.5	35.
GE 16000	26.5	26.9	29.2	30.5	32.9	33.0	33.5	34.5	34.5	35.
GE 14000	26.5	26.9	29.2	30.5	32.9	33.0	33.5	34.5	34.5	35.
GE 12000	26.6	26.9	29.2	30.5	32.9	33.0	33.5	34.5	34.5	35.
GE 10000	28.1	29.4	31.2	32.5	34.9	35.1	35.5	35.5	35.5	37.
GE 9000	29.4	29.7	32.5	33.9	36.3	36.5	37.3	37.3	37.3	39.
GE 8000	32.3	32.6	35.1	37.5	40.2	40.3	40.7	41.[illegible]	41.[illegible]	42.
GE 7000	32.7	33.5	35.6	38.9	41.0	41.1	41.9	42.0	43.3	43.
GE 6000	32.[illegible]	33.2	35.7	39.1	41.1	41.2	42.[illegible]	43.[illegible]	43.1	43.
GE 5000	34.3	34.7	37.9	40.3	43.5	44.1	45.1	45.[illegible]	45.2	47.
GE 4000	39.2	39.7	41.2	42.5	45.7	45.5	47.4	47.4	47.5	49.
GE 3000	42.[illegible]	41.3	46.3	47.3	50.[illegible]	51.3	51.3	53.2	53.4	54.
GE 2500	44.5	44.9	50.9	51.5	53.1	55.5	55.[illegible]	57.7	55.9	57.
GE 2000	47.3	47.4	52.[illegible]	54.4	53.2	59.9	59.9	61.[illegible]	61.2	62.
GE 1500	49.[illegible]	49.7	55.4	57.1	61.2	61.3	63.3	63.4	64.1	65.
GE 1000	51.4	51.4	57.4	59.1	64.1	64.4	65.3	67.3	67.5	69
GE 900	51.7	52.4	58.9	60.5	64.6	66.5	66.4	67.5	68.1	69
GE 800	55.1	55.5	62.7	64.7	68.8	69.7	71.1	72.3	72.3	73
GE 700	56.7	57.1	64.5	66.5	70.9	71.7	73.2	74.2	74.4	75
GE 600	59.1	59.5	66.6	68.6	73.3	74.4	75.1	77.1	77.3	77
GE 500	61.3	61.4	67.6	69.7	74.5	75.5	77.7	78.7	78.9	80
GE 400	61.[illegible]	61.1	70.0	72.4	77.5	78.3	81.1	82.3	82.6	4
GE 300	61.3	61.3	70.9	73.2	78.5	80.2	82.6	84.2	84.2	85
GE 200	61.6	62.2	71.3	73.9	79.0	81.1	83.7	85.2	85.4	87
GE 150	62.[illegible]	62.6	72.3	74.7	80.0	82.2	84.7	87.0	87.5	88
GE 100	62.[illegible]	62.6	72.3	74.3	80.5	82.8	85.9	88.3	89.5	91
GE 50	62.2	62.7	72.5	75.1	81.1	83.5	86.3	89.1	90.3	92
GE 200	62.2	62.7	72.5	75.1	81.1	83.8	86.5	89.5	90.4	93
GE 100	62.2	62.7	72.5	75.1	81.1	83.8	86.5	89.5	90.4	93
GE 000	62.2	62.7	72.5	75.1	81.1	83.5	86.5	89.6	90.4	93

TOTAL NUMBER OF OBSERVATIONS 930

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EQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
  FROM HOURLY OBSERVATIONS

   RAF UK              PERIOD OF RECORD:  JUL 76 - JUN 86
                       MONTH: DEC   HOURS: 21-23
.................................................................
ITY IN METERS
   GE      GE      GE      GE      GE      GE      GE      GE      GE      GE
   32      24      20      16      12      10      08      06      04      00
.................................................................

  32.0    33.0    33.0    33.8    34.1    34.2    34.6    35.1    35.2    35.4

  33.5    34.5    34.5    35.3    35.6    35.7    36.1    36.6    36.7    36.9
  33.5    34.5    34.5    35.3    35.6    35.7    36.1    36.6    36.7    36.9
  33.5    34.5    34.5    35.3    35.6    35.7    36.1    36.6    36.7    36.9
  33.5    34.5    34.5    35.3    35.6    35.7    36.1    36.6    36.7    36.9
  33.5    34.5    34.5    35.3    35.6    35.7    36.1    36.6    36.7    36.9

  34.5    35.5    36.5    37.5    37.6    37.7    38.2    38.6    38.7    38.9
  37.0    38.0    38.0    38.7    39.0    39.1    39.6    40.0    40.1    40.3
  40.9    41.8    41.8    42.6    42.9    43.0    43.4    43.9    44.0    44.2
  41.9    42.9    42.9    43.7    44.0    44.1    44.5    44.9    45.1    45.3
  42.0    43.0    43.1    43.9    44.2    44.3    44.7    45.2    45.3    45.5

  45.1    46.0    46.2    47.2    47.5    47.6    48.1    48.5    48.6    48.8
  47.4    48.4    48.6    49.7    50.0    50.1    50.5    51.0    51.1    51.3
  51.3    52.2    53.4    54.8    55.2    55.3    55.7    56.1    56.2    56.5
  56.5    57.7    58.0    59.4    59.7    59.8    60.2    60.6    60.8    61.0
  60.0    61.0    61.2    62.6    62.9    63.0    63.4    63.9    64.0    64.2

  62.0    63.9    64.1    65.5    65.8    65.9    66.3    66.8    66.9    67.1
  66.3    67.3    67.5    69.1    69.5    69.6    70.0    70.4    70.5    70.8
  66.9    67.8    68.1    69.7    70.0    70.1    70.5    71.0    71.1    71.3
  71.1    72.0    72.3    73.9    74.2    74.3    74.7    75.2    75.3    75.5
  73.2    74.2    74.4    76.0    76.3    76.5    76.9    77.3    77.4    77.8

  76.1    77.1    77.3    79.0    79.4    79.5    79.9    80.3    80.4    81.0
  77.7    78.7    79.0    80.6    81.0    81.1    81.5    81.9    82.0    82.6
  81.1    82.3    82.5    84.5    84.8    84.9    85.4    85.8    85.9    86.5
  82.9    84.0    84.2    86.5    86.8    86.9    87.3    87.7    87.8    88.4
  83.7    85.2    85.4    87.7    88.1    88.2    88.6    89.0    89.1    89.7

  84.7    87.0    87.5    89.9    90.2    90.3    90.8    91.2    91.3    91.8
  85.5    88.0    88.6    91.4    91.8    91.9    92.4    92.8    92.9    93.4
  86.3    89.1    89.9    92.9    93.3    93.4    93.9    94.3    94.4    95.2
  86.6    89.6    90.4    93.7    94.5    94.6    95.2    95.9    96.3    97.5
  86.6    89.6    90.4    93.7    94.6    94.7    95.3    96.1    97.2    99.4

  86.6    89.6    90.4    93.7    94.6    94.7    95.3    96.1    97.4   100.0
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OPERATING LOCATION "A" PERCENTAGE FREQUENCY OF OCCURRENCE OF C
USAFETAC, ASHEVILLE NC FROM HOURLY OBSERVATIONS

STATION NUMBER: 33888 STATION NAME: UPPER HEYFORD RAF UK PERIO
LST TO UTC: - 0 MONTH

CEILING IN FEET	VISIBILITY IN METERS									
	9	7	5	3	2	1.5	1	.75	.5	.25
	112	7	10	57	4	43	42	34	25	16
CEIL	23.1	27.3	24.	28.7	27.3	27.6	27.9	24.4	29.5	23.4
20000	25.5	27.4	28.5	29.5	31.3	31.6	32.1	33.0	34.2	35.5
15000	25.5	27.4	28.5	29.5	31.3	31.6	32.1	33.0	34.2	33.7
10000	25.5	27.4	28.5	29.5	31.3	31.6	32.1	33.0	34.2	33.7
6000	25.5	27.4	28.5	29.5	31.4	31.7	32.2	33.1	34.3	33.
3000	25.5	27.7	29.5	30.9	31.5	32.1	32.6	33.5	33.7	34.1
1800	27.1	27.4	30.8	31.9	33.4	34.2	34.4	35.1	35.2	35.4
1500	27.4	27.9	31.7	32.1	34.1	35.1	35.5	36.2	37.5	37.4
1000	30.	31.	35.5	36.2	38.3	39.7	39.4	40.5	40.7	41.3
700	31.1	31.4	35.9	37.1	39.4	39.	40.6	41.6	41.9	42.9
500	31.1	31.4	36.1	37.4	39.7	40.1	41.3	41.9	42.2	43.
300	33.4	35.7	39.7	43.0	42.4	42.9	43.9	45.2	46.4	45.9
200	43.	44.9	43.1	45.7	45.2	46.7	47.9	49.2	49.1	50.
150	43.1	44.9	45.9	47.7	50.4	51.3	50.1	53.4	53.7	54.
100	43.1	47.5	49.3	52.1	52.9	53.5	55.7	56.9	57.3	57.1
50	53.3	54.7	51.9	52.9	55.9	55.6	57.5	59.2	59.5	59.4
40	53.4	54.4	52.9	54.	55.2	55.4	58.0	61.4	61.9	63.7
30	53.	54.5	55.9	55.9	61.9	59.6	64.7	65.4	67.	65.
20	1	54.7	57.9	59.4	62.5	63.5	66.3	66.4	67.	67.
15	1	57.9	61.9	63.9	67.2	69.2	69.5	71.9	71.4	72.
10	1	54.7	63.8	66.	69.9	71.0	72.4	73.3	74.4	75.
5	1	55.3	65.4	68.2	72.4	73.6	75.2	76.4	77.3	75.
3	1	55.3	59.4	69.2	73.5	74.5	76.5	77.5	78.5	79.
2	1	57.1	57.9	71.9	75.7	77.3	79.2	79.7	81.3	82.1
1	1	57.5	57.9	71.9	75.9	78.7	80.7	82.	83.3	84.
0	1	57.	59.5	72.5	77.7	79.6	81.7	83.3	84.9	85.
50	1	54.2	57.9	70.9	73.3	74.9	81.0	83.4	86.5	86.9
40	1	54.3	57.1	70.2	73.5	77.5	81.7	84.4	87.3	88.4
30	1	54.3	59.2	70.3	73.7	77.4	82.3	84.	87.0	88.2
20	1	54.3	59.2	70.3	73.7	77.4	82.1	84.9	88.3	89.5
15	1	54.3	59.2	70.3	73.7	77.3	82.1	84.9	88.3	89.7
10	1	54.3	59.2	70.3	73.7	77.3	82.1	84.4	88.3	89.7	82.4

TOTAL NUMBER OF OBSERVATIONS 7443

FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

[illegible] AFB UK PERIOD OF RECORD: JUL 7[illegible] - JUN [illegible]
MONTH: DEC HOURS: ALL

CEILING IN METERS	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	GE 00
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	27.9	[illegible]	[illegible]	[illegible]	[illegible]	28.7	29.7	30.0	30.2	30.7
[illegible]	[illegible]	33.2	34.2	35.[illegible]	[illegible]	33.9	34.0	34.5	34.5	35.0
[illegible]	[illegible]	[illegible]	34.2	33.7	[illegible]	34.[illegible]	34.1	34.3	34.6	35.1
[illegible]	[illegible]	33.9	34.2	33.7	35.[illegible]	34.[illegible]	34.1	34.4	34.6	35.1
[illegible]	[illegible]	33.1	34.3	33.[illegible]	33.9	34.1	34.2	34.[illegible]	34.7	35.2
[illegible]	[illegible]	33.9	33.7	34.1	34.3	34.4	34.5	34.3	35.0	35.6
[illegible]	34.[illegible]	[illegible]	35.[illegible]	35.[illegible]	35.[illegible]	36.[illegible]	35.9	37.1	37.4	37.9
[illegible]	[illegible]	36.[illegible]	37.3	37.4	37.[illegible]	37.[illegible]	37.3	38.2	38.4	38.3
[illegible]	[illegible]	[illegible]	[illegible].7	[illegible]	41.4	[illegible]	41.7	41.[illegible]	42.2	42.7
[illegible]	42.[illegible]	[illegible]	[illegible]	42.[illegible]	42.[illegible]	42.7	42.[illegible]	43.1	43.3	43.9
[illegible]	[illegible]	[illegible]	42.2	42.[illegible]	42.9	43.1	43.1	43.4	43.5	44.2
[illegible]	43.[illegible]	[illegible]	44.[illegible]	45.3	45.2	45.7	45.4	45.7	46.9	47.5
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	50.[illegible]	[illegible]	[illegible]	[illegible]	51.1	51.5
[illegible]	[illegible]	[illegible]	55.7	[illegible]	[illegible]	[illegible]	55.1	55.4	55.7	55.2
[illegible]	[illegible]	[illegible]	[illegible]	57.1	57.4	57.[illegible]	57.7	58.1	58.3	58.9
[illegible]	57.	[illegible]	58.5	[illegible]	[illegible]	61.0	61.1	61.[illegible]	61.7	62.3
[illegible]	[illegible]	61.[illegible]	61.[illegible]	62.7	[illegible]	63.3	63.4	63.9	64.9	64.5
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	67.1	67.4	67.5	67.[illegible]	68.1	68.7
[illegible]	[illegible]	[illegible]	[illegible]	67.	[illegible]	[illegible]	[illegible]	[illegible]	69.1	69.7
[illegible]	[illegible]	71.[illegible]	71.4	72.[illegible]	72.4	73.1	73.2	73.5	73.3	74.[illegible]
[illegible]	[illegible]	73.9	74.4	75.[illegible]	75.3	75.1	75.2	75.5	75.8	77.4
[illegible]	[illegible]	74.[illegible]	77.5	[illegible]	78.[illegible]	79.1	79.2	79.[illegible]	79.[illegible]	80.4
[illegible]	[illegible]	[illegible]	[illegible]	79.[illegible]	[illegible].1	[illegible]	[illegible]	[illegible]	81.1	81.3
[illegible]	[illegible]	[illegible].7	81.3	82.7	[illegible]	83.3	83.5	83.	84.1	84.7
[illegible]	[illegible]	[illegible]	[illegible].3	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	85.3	85.9
[illegible]	1.7	[illegible]	[illegible]	[illegible]	[illegible]	87.[illegible]	87.1	87.5	87.7	88.3
[illegible]	[illegible]	[illegible]	[illegible]	[illegible].7	[illegible]	89.5	89.7	90.2	90.5	91.2
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	91.[illegible]	91.3	91.5	92.[illegible]	92.4	93.1
[illegible]	[illegible]	[illegible]	[illegible]	91.[illegible]	92.[illegible]	92.7	92.[illegible]	93.[illegible]	93.9	94.8
[illegible]	[illegible]	[illegible]	[illegible]	93.2	93.[illegible]	93.[illegible]	94.2	95.2	95.0	97.2
[illegible]	[illegible]	[illegible]	[illegible].7	[illegible]	93.5	94.2	94.7	[illegible]	97.4	99.7
[illegible]	[illegible]	[illegible]	[illegible].7	[illegible]	93.5	94.2	94.7	96.9	97.5	100.0

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF C
FROM HOURLY OBSERVATIONS

STATION NUMBER: [illegible] STATION NAME: UPPER HEYFORD RAF UK
LST TO UTC: - 0

CEILING IN FEET	VISIBILITY IN METERS									
	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
NO CEIL	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	31.1	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	33.7	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	35.3	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	35.3	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	37.1	37.7	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	37.1	[illegible]	[illegible]	[illegible]	41.1	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	41.7	44.1	44.7	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	42.7	45.1	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	43.7	[illegible]	[illegible]	47.7	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	61.7	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	71.1	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	71.1	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	77.1	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	73.1	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	77.4	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

TOTAL [illegible] : [illegible]

QUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

[illegible] AFB PERIOD OF RECORD: JUL 73 - JUN 86
MONTH: ALL HOURS: ALL

ITY IN METERS									
[illegible]	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
[illegible].6	31.1	31.3	31.5	31.6	31.7	31.9	31.9	32.0	32.2
[illegible]	37.3	37.5	37.[illegible]	38.0	38.1	38.2	38.3	38.4	38.7
[illegible]	37.6	37.7	38.0	38.2	38.2	38.3	38.4	38.6	38.8
[illegible]	37.5	37.7	38.2	38.2	38.3	38.3	38.4	38.6	38.9
37.9	37.6	37.8	38.1	38.3	38.4	38.5	38.6	38.7	39.0
37.7	38.3	38.5	38.8	39.0	39.1	39.2	39.3	39.4	39.7
[illegible]	41.1	41.3	41.5	41.5	41.9	41.9	42.1	42.2	42.5
41.4	42.0	42.3	42.5	42.5	42.9	42.9	43.1	43.2	43.5
[illegible]	45.2	45.4	45.7	45.9	47.0	47.1	47.3	47.4	47.7
45.9	47.3	47.5	47.9	47.1	48.2	48.3	48.4	48.6	48.8
47.7	48.4	48.7	49.0	49.2	49.3	49.4	49.5	49.7	50.0
[illegible]	53.1	53.4	53.7	54.0	54.1	54.2	54.3	54.5	54.8
57.1	[illegible]	[illegible]	55.7	56.0	59.1	59.1	59.3	59.5	59.8
[illegible]	[illegible]	64.1	64.5	64.8	65.0	65.1	65.2	65.4	65.7
[illegible]	67.4	67.5	68.8	68.5	68.7	68.8	68.9	69.1	69.4
71.1	72.2	72.5	73.1	73.4	73.5	73.6	73.8	74.0	74.3
75.4	74.9	75.0	75.5	75.8	76.0	76.1	76.2	76.4	76.7
75.4	77.5	78.1	78.7	79.0	79.1	79.2	79.4	79.5	79.9
77.1	7[illegible].3	7[illegible].3	79.3	79.7	79.8	79.9	80.1	80.2	80.5
[illegible].1	81.5	82.0	82.5	82.9	83.0	83.1	83.3	83.5	83.8
[illegible].4	83.[illegible]	84.3	84.9	85.3	85.4	85.5	85.7	85.9	86.2
[illegible]	[illegible]	85.5	87.2	87.5	87.7	87.9	88.0	88.2	88.5
[illegible].2	85.7	87.4	88.0	88.4	88.6	88.7	88.9	89.0	89.4
[illegible]	[illegible]	[illegible]	89.8	90.0	90.2	90.3	90.5	90.7	91.0
87.7	88.5	89.2	91.0	91.5	91.6	91.8	92.0	92.1	92.5
[illegible].3	89.3	91.0	91.9	92.4	92.6	92.7	92.9	93.1	93.4
[illegible]	91.[illegible]	92.7	93.7	94.3	94.5	94.7	94.9	95.1	95.5
[illegible]	92.5	93.5	94.5	95.3	95.5	95.5	96.0	96.2	96.6
[illegible]	92.9	94.0	95.2	96.0	96.4	96.6	96.9	97.2	97.7
93.3	93.0	94.1	95.5	95.4	95.9	97.2	97.7	98.1	98.8
[illegible]	93.0	94.2	95.5	95.5	97.0	97.3	98.0	98.5	99.8
[illegible]	[illegible]	94.2	95.6	95.5	97.0	97.3	98.0	98.5	100.0

PART

TEMPERATURE AND RELATIVE HUMIDITY SUMMARIES

TEMPERATURE--CUMULATIVE PERCENT OCCURRENCE FREQUENCY (PO
THESE TABLES ARE CREATED FROM SUMMARY OF DAY DATA AND
POF FOR MAXIMUM, MINIMUM, AND MEAN TEMPERATURES, RESP
SUMMARIZED BY MONTH FOR ALL YEARS COMBINED. TOTALS A
YEAR. DATA IS DISPLAYED USING 5-DEGREE RANGES IT IN
GE 10, ETC).. THERE IS ONE SPECIAL THRESHOLD FOR MOS
STANDARD DEVIATIONS, AND TOTAL OBSERVATION COUNTS ARE

NOTE 1. BEGINNING IN JANUARY 1945, DAILY MAXIMUM AN MI
CAME ROUTINELY FROM HOURLY OBSERVATIONS IN ARS FORMAT
DATA COLLECTION FROM ALL USAF-OPERATED STATIONS. SEE
PAGE FOR DETAILED INFORMATION ON REPORTING PRACTICES.

MONTHLY TEMPERATURES.
ALSO FROM SUMMARY OF DAY DATA, THE TABLES GIVE MONTHLY
TURES BY MONTH AND BY YEAR. MONTHLY RECORD TEMPER
ALONG WITH TOTAL OBSERVATIONS. AN ASTERISK (*) IDENTI
WHICH LESS THAN 90% OF THE DATA ARE AVAILABLE. AN AST
WITH ONE OR MORE MISSING AND/OR INCOMPLETE MONTHS.

ANNUAL MONTHLY TEMPERATURE.
ALSO FROM SUMMARY OF DAY DATA, GIVES MONTHLY MEAN TE
OF ALL MONTHS, AND FOR ALL YEARS. AN ASTERISK (*) I
MONTH FOR WHICH LESS THAN 90% OF THE DATA ARE AVAILAB
A YEAR(S) WITH ONE OR MORE MISSING AND/OR INCOMPLETE

DRY BULB, WET BULB, AND DEW POINT TEMPERATURES.
THESE TABLES ARE CREATED FROM HOURLY OBSERVATIONS--

- BY EIGHT 3-HOUR STANDARD TIME PERIODS PER DAY

- BY MONTH (ALL YEARS AND ALL HOURS COMBINED).

- BY YEAR (ALL YEARS AND ALL HOURS COMBINED).

MEANS, STANDARD DEVIATIONS, AND TOTAL OBSERVATIONS
THE MEAN NUMBER OF HOURS WITH TEMPERATURES BELOW
APPEAR AS SPECIFIED IN EACH SUMMARY AND IN ACCORDANCE
"ENGINEERING WEATHER DATA," AWS AND 105-5, MAY

NOTE 1. WINTER WET BULB AND DEW POINT MEAN TEMPERATURES
MUST BE USED WITH CAUTION. WHEN THE DRY BULB TEMPERAT
F, WET BULB TEMPERATURES ARE NOT REPORTED (DRY-1).
DEW POINTS (AND MORE FREQUENTLY, WINTER MEAN WET BULB
ACTUALLY LOWER THAN SHOWN IN THE TABLES. IN SOME
MEAN WET BULB TEMPERATURES MAY ACTUALLY BE LOWER AS
COLD TEMPERATURES.

PART I

PERATURE AND RELATIVE HUMIDITY SUMMARIES

ULATIVE PERCENT OCCURRENCE FREQUENCY (POF).
E CREATED FROM SUMMARY OF DAY DATA AND GIVE CUMULATIVE
M, MINIMUM, AND MEAN TEMPERATURES, RESPECTIVELY. DATA IS
ONTH FOR ALL YEARS COMBINED. TOTALS ARE GIVEN FOR THE WHOLE
DISPLAYED USING 5-DEGREE FAHRENHEIT INCREMENTS (GE 0, GE 5,
THERE IS ONE SPECIAL THRESHOLD FOR "GE 33" DEGREES. MEANS,
TIONS, AND TOTAL OBSERVATION COUNTS ARE GIVEN.

S IN JANUARY 1946, DAILY MAXIMUM AND MINIMUM TEMPERATURES
FROM HOURLY OBSERVATIONS ON AWS FORMS 13/10A OR FROM AUTOMATED
FROM ALL USAF-OPERATED STATIONS. REFER TO THE "STATION HISTORY"
INFORMATION ON REPORTING PRACTICES.

S.
BY OF DAY DATA, THE TABLES GIVE MONTHLY MAXIMUM AND MINIMUM TEMP-
TH AND BY YEAR. MONTHLY RECORD TEMPERATURES (MAX AND MIN) ARE GIVEN,
OBSERVATIONS. AN ASTERISK (*) INDICATES A VALUE FOR A MONTH FOR
DAYS OF THE DATA ARE AVAILABLE. AN ASTERISK ALSO DENOTES A YEAR(S)
MISSING AND/OR INCOMPLETE MONTHS.

ATHER:
BY OF DAY DATA, GIVES MONTHLY MEAN TEMPERATURE BY MONTH,
AND FOR ALL YEARS. AN ASTERISK (*) INDICATES A VALUE FOR A
LESS THAN 90% OF THE DATA ARE AVAILABLE. AN ASTERISK ALSO DENOTES
OR MORE MISSING AND/OR INCOMPLETE MONTHS.

. AND DEW POINT TEMPERATURES.
ON ATMOSPHERIC HOURLY OBSERVATIONS--DATA IS SUMMARIZED:

IN STANDARD TIME PERIODS FOR EACH MONTH (ALL YEARS COMBINED).

ALL YEARS AND ALL HOURS COMBINED).

YEARS AND ALL HOURS COMBINED).

VIATIONS, AND TOTAL OBSERVATION COUNTS ARE GIVEN.
OF HOURS WITH TEMPERATURES FOR VARIOUS THRESHOLDS ALSO
TED IN EACH SUMMARY AND IN ACCORDANCE WITH AFM 58-24,
"DATA," AND AWSP 105-56, "METEOROLOGICAL TECHNIQUES."

BULB AND DEW POINT MEAN TEMPERATURES FOR VERY COLD STATIONS
CAUTION. WHEN THE DRY BULB TEMPERATURE IS BELOW -35 DEGREES
TEMPERATURES ARE NOT REPORTED (FMH-12). AS A RESULT, WINTER MEAN
FREQUENTLY, WINTER MEAN WET BULB TEMPERATURES) ARE
SHOWN IN THE TABLES. IN SOME HOUR GROUPS, IN FACT,
TEMPERATURES MAY ACTUALLY BE SHOWN AS EXCEEDING THE MEAN DRY
.

SPECIAL CAVEAT: DURING PART TIME PERIODS, THESE SUMMAR
TEMPERATURES RECORDED AND NOT NECESSARILY THE ACTUAL MA
ARE INFLUENCED BY THE ABSENCE OF NIGHTTIME TEMPERATURE
MAY DEPICT A SLIGHT "WARM" BIAS.

TEMPERATURE CONVERSIONS: F = 1.8C + 32

C = K - 273.0 (PRIOR TO 5 AP
C = K - 273.2 (SINCE 5 APR

RELATIVE HUMIDITY--CUMULATIVE PERCENT OCCURRENCE FREQU
CREATED FROM HOURLY OBSERVATIONS, THESE TABLES GIVE
HUMIDITY FOR 10% INCREMENTS. MEANS AND TOTAL OBSERV
THE DATA IS SUMMARIZED AS FOLLOWS:

- BY EIGHT 3-HOUR STANDARD TIME PERIODS PER DAY

- BY MONTH (ALL YEARS AND ALL HOURS COMBINED).

- BY YEAR (ALL YEARS AND ALL HOURS COMBINED).

NT: DURING PART TIME PERIODS, THESE SUMMARIES REPRESENT THE "HIGH" AND "LOW"
RECORDED AND NOT NECESSARILY THE ACTUAL MAXIMUM AND MINIMUM VALUES. THESE SUMMARIES
ED BY THE ABSENCE OF NIGHTTIME TEMPERATURE READINGS. THEREFORE, CERTAIN SUMMARIES
SLIGHT "WARM" BIAS.

NVERSIONS: F = 1.8C + 32

C = K - 273.0 (BEFORE 5 APRIL 77)
C = K - 273.2 (SINCE 5 APRIL 77)

ITY--CUMULATIVE PERCENT OCCURRENCE FREQUENCY (POF).
HOURLY OBSERVATIONS, THESE TABLES GIVE POF OF RELATIVE
10% INCREMENTS. MEANS AND TOTAL OBSERVATION COUNTS ARE ALSO PROVIDED.
SUMMARIZED AS FOLLOWS:

M 3-HOUR STANDARD TIME PERIODS FOR EACH MONTH (ALL YEARS COMBINED).

(ALL YEARS AND ALL HOURS COMBINED).

(ALL YEARS AND ALL HOURS COMBINED).

OPERATING LOCATION "A" CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
USAFETAC, ASHEVILLE, NC [illegible] SUMMARY [illegible]

STATION NUMBER: [illegible] STATION NAME: UPPER [illegible] AFB [illegible]
LST TO UTC: +09

TEMP (D-B-F)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG
[illegible]							.1	.1
[illegible]					.1	.2	1.1	.7
[illegible]					.4	1.7	4.9	4.3
[illegible]					1.[illegible]	[illegible].1	1[illegible].[illegible]	12.[illegible]
[illegible]				.2	[illegible].7	22.4	[illegible]	[illegible]
[illegible]			.7	3.9	1[illegible].[illegible]	47.[illegible]	71.7	[illegible]
[illegible]		.2	3.[illegible]	14.4	[illegible].1	1.[illegible]	[illegible]	[illegible]
[illegible]	.[illegible]	1.[illegible]	13.3	42.1	7[illegible].3	[illegible]	[illegible]	[illegible]
[illegible]	14.[illegible]	17.1	[illegible].7	74.7	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	41.[illegible]	7[illegible].[illegible]	[illegible].5	[illegible]	[illegible]		
[illegible]	[illegible]	[illegible].1	[illegible]	[illegible]	[illegible]			
[illegible]	[illegible]	7.[illegible]	[illegible]	[illegible]				
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
[illegible]	[illegible]	[illegible]						
[illegible]	[illegible]	[illegible]						
MEAN	[illegible]	[illegible]	47.[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
SD	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
TOTAL OBS	1141	1031	1130	[illegible]	1093	1094	1[illegible]	107[illegible]

PERCENTAGE FREQUENCY OF OCCURRENCE OF MAXIMUM TEMPERATURES IN FAHRENHEIT
FROM SUMMARY OF DAY DATA

[illegible] AFB

PERIOD OF RECORD: 5111-9306
MONTH: ALL HOURS: ALL

MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
		.1	.1					.0
.1	.2	1.1	.7					.2
.4	1.7	4.9	4.0	.7				1.0
1.5	8.1	15.8	12.6	3.2	.3			3.5
7.7	22.4	39.0	33.2	13.6	1.6			9.7
14.6	47.2	71.7	65.6	33.0	6.4			20.9
44.1	81.3	97.2	95.9	72.6	29.5	1.5		35.4
76.3	96.2	99.5	99.6	96.9	66.6	15.4	.3	50.5
95.5	99.9	100.0	100.0	99.4	92.0	46.4	25.1	67.0
99.9	100.0			100.0	99.6	74.5	51.9	80.9
100.0					100.0	92.2	73.9	90.6
						99.2	93.1	97.0
						99.7	97.2	98.5
						99.5	99.4	99.5
						100.0	100.0	100.0
								100.0
53.3	54.9	53.5	57.3	53.5	56.5	48.4	44.4	54.8
5.45	5.29	5.91	5.59	5.37	5.33	5.79	5.37	11.24
1093	1094	1053	1075	1038	1100	1092	1128	13014

OPERATIONS LOCATION [illegible]
USAFETAC, [illegible] NC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
[illegible] SUMMARY

STATION NUMBER: [illegible] STATION NAME: UPPER [illegible]
LST TO UTC: +0[illegible]

TEMP (DEG-C)	JAN	FEB	MAR	APR	MAY	JUN	JUL	[illegible]
[illegible]						.1	.[illegible]	.1
[illegible]						[illegible].1	[illegible]	7.[illegible]
[illegible]					.1	1.7	14.[illegible]	[illegible]	[illegible]
[illegible]	.1	.1	.4	1.[illegible]	14.[illegible]	[illegible].2	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	16.[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	10.[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	42.[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]
[illegible]	[illegible]	[illegible]	74.2	[illegible]	[illegible]			
[illegible]	[illegible]	73.[illegible]	[illegible]	[illegible]	100.[illegible]			
[illegible]	[illegible]	81.2	[illegible]	[illegible]				
[illegible]	[illegible]	[illegible]	[illegible]	100.[illegible]				
[illegible]	[illegible]	[illegible]	100.[illegible]					
[illegible]	[illegible]	100.[illegible]						
[illegible]	[illegible]							
[illegible]								

[illegible]	33.7	23.2	35.[illegible]	32.3	44.4	[illegible]	[illegible]	[illegible]
SD	[illegible]	4.51	5.51	5.14	4.55	4.57	3.33	4.21
TOTAL OBS	1181	1031	1183	1239	1233	1264	1253	1275

PERCENTAGE FREQUENCY OF OCCURRENCE OF MINIMUM TEMPERATURES IN FAHRENHEIT
FROM SUMMARY OF DAY DATA

[illegible] HOLYOKE [illegible]

PERIOD OF RECORD: 5111-8806
MONTH: ALL HOURS: ALL

[illegible]	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
		.1	.[illegible]	.1					.0
		2.1	[illegible]	7.2	1.2	.2			1.4
.1	1.7	14.4	[illegible]	43.[illegible]	14.9	4.5	.4		9.4
.[illegible]	14.3	[illegible]3.2	[illegible]	81.[illegible]	54.5	24.5	4.9	2.0	26.4
.[illegible]	41.3	[illegible]	[illegible]	[illegible].1	[illegible]	[illegible]	[illegible]	11.[illegible]	44.3
.[illegible]	[illegible]4.4	[illegible]	100.[illegible]	[illegible]	[illegible]	80.[illegible]	45.1	[illegible]	61.1
.	97.[illegible]	100.0		100.0	100.0	96.3	72.8	69.1	79.9
.[illegible]	[illegible]3.7					[illegible]	[illegible]2.7	71.[illegible]	85.7
.[illegible]	100.0					[illegible]	[illegible]	[illegible]	[illegible]
.[illegible]						100.0	[illegible]	[illegible]	97.7
.							100.0	[illegible]	99.[illegible]
								[illegible]	[illegible]
								[illegible]	100.0
								[illegible]	100.0
								100.0	100.0

.[illegible]	[illegible].4	[illegible].6	[illegible]	[illegible].1	[illegible]	44.[illegible]	[illegible]	35.9	42.5
.14	4.55	4.57	3.99	4.21	4.56	5.76	6.42	6.35	9.05
[illegible]	1023	1054	1053	1075	1033	1100	1092	1128	13014

OPERATING LOCATION [illegible] CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
[illegible] VOLUME [illegible] [illegible]

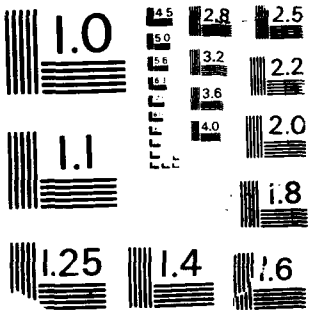
STATION NO. : [illegible] STATION NAME: [illegible]
LST TO UTC: +[illegible]

HT (DEG-F)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG
[illegible]	[illegible]					.1	.5	[illegible]
[illegible]	[illegible]				.1	1.[illegible]	[illegible]	[illegible]
[illegible]	[illegible]				1.1	[illegible]	[illegible].7	[illegible]
[illegible]				.[illegible]	[illegible].[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	.[illegible]	[illegible]	[illegible]	[illegible].7	[illegible]	[illegible]	[illegible]
[illegible]	[illegible].1	[illegible].[illegible]	[illegible].[illegible]	[illegible].1	[illegible].1	[illegible]	[illegible]	[illegible]
[illegible]	[illegible].[illegible]	[illegible].2	[illegible]	[illegible].7	[illegible].2	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]			
[illegible]	[illegible].2	[illegible].1	[illegible].2	[illegible].4	[illegible]			
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
[illegible]	[illegible]	[illegible].[illegible]	[illegible].1	[illegible]				
[illegible]	[illegible]	[illegible]	[illegible]					
[illegible]	[illegible]	[illegible]						
[illegible]	[illegible]	[illegible]						
[illegible]	[illegible]							

[illegible]	[illegible].1	[illegible].1	[illegible].1	[illegible]	[illegible].1	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	1191	1291	1119	1[illegible]	1[illegible]	1[illegible]	1[illegible]	1[illegible]

AD-A211 167 SURFACE OBSERVATION CLIMATIC SUMMARIES (SOCS) FOR UPPER HEYFORD RAF UNITED KINGDOM(U) AIR FORCE ENVIRONMENTAL TECHNICAL APPLICATIONS CENTER SCOTT A.. JUN 89 7/3

UNCLASSIFIED USAFETAC/DS-89/206 F/G 4/2 NL


1.0
4.5
5.0
5.6
6.3
2.8
3.2
3.6
4.0
2.5
2.2
2.0
1.1
1.8
1.25
1.4
1.6

RELATIVE PERCENTAGE FREQUENCY OF OCCURRENCE OF MEAN TEMPERATURES IN FAHRENHEIT
FROM SUMMARY OF DAY DATA

: [illegible] HEYDEN AFB, AK PERIOD OF RECORD: 5111-8106
: [illegible] MONTH: ALL HOURS: ALL

[illegible]	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
		.1	.5	.3					.1
	.1	1.4	3.3	3.6	.1				.7
	1.1	[illegible]	23.7	13.2	4.2	.4			4.4
.0	7.3	31.6	57.7	37.4	20.[illegible]	4.4			15.5
.2	22.7	73.0	3[illegible].3	35.1	57.3	25.7	2.2	.5	32.6
.1	70.1	[illegible]	[illegible]	1[illegible].0	[illegible]	52.9	1[illegible].5	7.3	4[illegible].5
.7	95.2	100.0	100.0		100.0	3[illegible].7	45.7	27.3	65.5
[illegible]	99.9					93.1	77.5	57.4	81.7
94.4	100.0					100.0	94.8	81.8	92.3
[illegible]							97.5	9[illegible].1	95.2
[illegible]							99.4	95.5	99.0
							100.0	99.5	99.6
								100.0	99.9
									100.0
									100.0
[illegible]	52.1	57.5	51.2	50.7	56.9	51.1	43.9	40.4	49.4
[illegible]	4.59	4.74	4.31	4.27	4.35	5.01	5.75	5.33	9.82
1[illegible]	1073	1054	1053	1075	1038	1100	1092	1128	13014

[illegible]

[illegible] MONTHLY MAXIMUM [illegible]

[illegible] VILLE [illegible] [illegible] DATA

STATION NUMBER: [illegible] STATION NAME: [illegible]

(EST TO UTC: +0)

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG
51								
52	[illegible]	63	67	74	[illegible]	[illegible]		75
53	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	75	[illegible]
54	[illegible]	64	[illegible]	[illegible]	76	75	74	77
55	[illegible]	[illegible]	[illegible]	64	65	[illegible]	[illegible]	[illegible]
56	[illegible]	61	63	64	74	75	[illegible]	[illegible]
57		64	69	64	71	[illegible]	[illegible]	[illegible]
58	[illegible]	[illegible]	[illegible]	73*	72*	74*	[illegible]	72*
59		61	[illegible]	65	75	77	77	[illegible]
60	[illegible]	[illegible]	[illegible]	64	74	74	[illegible]	72
61	[illegible]		67	64	73	[illegible]	[illegible]	[illegible]
62	[illegible]	[illegible]	63	67	64	75	75	[illegible]
63	[illegible]	61	[illegible]	64	74	77	74	77
64	[illegible]	77	[illegible]	[illegible]	77	75		[illegible]
65	[illegible]	[illegible]	[illegible]	63*	74*	73	73*	74*
66	[illegible]	[illegible]	[illegible]	[illegible]	74*	[illegible]	[illegible]	[illegible]
67	[illegible]	[illegible]	64	[illegible]	75	73	1	74
68	[illegible]	46	[illegible]	63	73	76	[illegible]	77
69	64	67	[illegible]	63	72	77	[illegible]	[illegible]
70	[illegible]	[illegible]	[illegible]	61	74	[illegible]	[illegible]	73
71	[illegible]	61	63	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
72	[illegible]	63	64	[illegible]	64	64	[illegible]	[illegible]
73	61	63	[illegible]	63	63	75	75	
74	[illegible]	63	63	62	66	75	73	73
75	[illegible]	61	63	64	[illegible]	73	[illegible]	[illegible]
76	[illegible]	67	62	64				[illegible]
77	[illegible]	63	64	63	73	76	77	76
78	[illegible]	66	69	63	77	75	75	73
79	67	66	63	69	77	77	73	77
80	[illegible]	63	64	63	75	72	71	73
81	[illegible]	64	67	69	66	72	73	71
82	64	66	61	61	70	61	71	71
83	66	62	65	61	64	73	73	72
84	75	62	62	72	70	73	74	73
85	62	64	64	64	63	72	71	75

MAXIMUM TEMPERATURES IN FAHRENHEIT
FROM SUMMARY OF DAY DATA

ELYEMEN SAFUK

PERIOD OF RECORD: 5111-3506
MONTH: ALL HOURS: ALL

MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
						57	53	57*
[illegible]	81	[illegible]	76	70	59	56	52	83
75	82	76	80	74	67	56	56	90
78	73	74	77	81	58	57	57	81
65	74	75	74	75	67	51	56	85
76	73	1	69	75	63	57	55	81
71	67*	67*	79*	56*	56*	52*	55*	87*
72*	74*	82*	72*	54*	64	57	55	82*
73	78	77	82	81	75	58	52	87
74	74	69	72	71	64	60	53	84
70	82	0	65	72	67	57	53	85
64	76	75	63	63	55	54	56	75
75	77	79	71	73	67	61	49	79
77	75	80	76	78	68	59	58	86
74*	73	69*	74*	66*	71*	55*	55*	74*
74*	77*	74*	77	6[illegible]*	65	54	52	77*
75	72	1	74	67	62	57	53	81
71	78	86	77	72	67	56	52	86
72	77	80	81	70	77	61	54	90
74	81	83	79	77	67	61	54	88
[illegible]	63	82	73	75	71	60	55	82
64	64	76	73	69	59	57	55	75
63	75	76	80	80	66	57	53	80
66	75	73	73	71	66	57	57	75
63	78	82	84	80	62	55	51	89
			82*	69	64	53	48	82*
73	76	77	75	71	60	63	59	77
77	75	75	73	71	73	60	57	77
77	77	80	77	73	70	59	57	82
73	82	81	75	73	64	59	54	82
66	72	75	81	77	63	57	50	81
73	81	81	81	81	61	61	54	81
64	73	68	82	70	65	61	54	83
70	70	84	82	79	70	61	55	84
66	72	81	75	77	79	59	57	81

[illegible] MONTHLY MAXIMUM TEMPERATURE [illegible]
[illegible] [illegible]

STATION NO. : [illegible] STATION NAME: [illegible]
EST TO UTC: +00

YEAR	[illegible]	[illegible]	[illegible]	APR	MAY	JUN	JUL	[illegible]
[illegible]	[illegible]	87	[illegible]	87	55	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	76	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	84	84	83	72	[illegible]		

GREATEST	[illegible]	91	[illegible]	74	85	87	[illegible]	[illegible]
TOTAL OBS	1131	1081	1130	1089	1033	1054	[illegible]	[illegible]

THE GREATEST VALUE OF 90 OCCURRED ON 28/12/83

NOTE: *THE VALUE IS BASED ON A MONTH WITH LESS THAN 80% OF THE [illegible]

THLY MAXIMUM TEMPERATURES IN FAHRENHEIT
FROM SUMMARY OF DAY DATA

[illegible] AFB, [illegible]

PERIOD OF RECORD: 5111-5806
MONTH: ALL HOURS: ALL

[illegible]	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
[illegible]	55	1	1	75	70	58	59	55	81
[illegible]	70	79	79	81	72	65	55	57	81
[illegible]	70	73							73*
[illegible]	65	77	90	90	32	79	63	59	90
[illegible]	1033	1054	1053	1075	1038	1100	1092	1128	13014

[illegible] OCCURRED ON 08/12/53

* MONTH WITH LESS THAN 90% OF THE DATA AVAILABLE FOR THE MONTH

OPERATING LOCATION [illegible]
USAFETAC, ASHEVILLE, NC

MONTHLY MINIMUM TEMPERATURE [illegible]
[illegible]

STATION NUMBER: [illegible] STATION NAME: [illegible]
LST TO UTC: +[illegible]

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG
51								
52	[illegible]	25	29	30	41	41	[illegible]	[illegible]
53	[illegible]	22	23	32	35	41	45	45
54	[illegible]	12	23	33	35	44	[illegible]	45
55	[illegible]	[illegible]	21	31	32	[illegible]	47	45
56	21	15	[illegible]	29	32	[illegible]	47	[illegible]
57	[illegible]	24	31	29	[illegible]	[illegible]*	[illegible]	47*
58	[illegible]*	25*	22*	22*	43*	[illegible]*	[illegible]*	[illegible]*
59	[illegible]	27	32	35	35	43	49	47
60	[illegible]	25	33	31	43	[illegible]	47	45
61	[illegible]	35	31	27	33	41	[illegible]	47
62	[illegible]	[illegible]	[illegible]	39	36	[illegible]	[illegible]	[illegible]
63	[illegible]	14	24	32	37	47	47	[illegible]
64	[illegible]	[illegible]	[illegible]	34	[illegible]	42	47	[illegible]
65	[illegible]	22	[illegible]	[illegible]*	34*	41	[illegible]*	44*
66	[illegible]*	[illegible]*	[illegible]*	[illegible]*	34*	41*	41*	41
67	[illegible]	27	30	27	[illegible]	[illegible]	[illegible]	[illegible]
68	[illegible]	21	[illegible]	25	33	44	[illegible]	46
69	[illegible]	19	[illegible]	23	37	37	[illegible]	[illegible]
70	[illegible]	17	21	23	42	45	[illegible]	[illegible]
71	21	25	21	39	33	37	[illegible]	[illegible]
72	17	33	33	33	35	[illegible]	[illegible]	44
73	[illegible]	25	[illegible]	30	37	[illegible]	45	[illegible]
74	[illegible]	30	30	33	35	41	[illegible]	44
75	[illegible]	24	24	23	33	33	[illegible]	[illegible]
76	[illegible]	30	[illegible]	33				[illegible]*
77	[illegible]	25	30	30	33	39	[illegible]	44
78	21	21	30	24	41	42	44	[illegible]
79	12	21	[illegible]	24	33	45	45	45
80	25	23	27	34	34	45	45	[illegible]
81	27	23	32	25	34	41	45	45
82	[illegible]	27	30	34	36	[illegible]	[illegible]	45
83	[illegible]	25	30	30	30	43	52	43
84	27	23	32	30	34	43	45	45
85	[illegible]	16	23	30	30	39	45	45

MINIMUM TEMPERATURES IN FAHRENHEIT
[illegible] SUMMARY OF DAY DATA

[illegible] AFB, [illegible] PERIOD OF RECORD: 5111-8806
MONTH: ALL HOURS: ALL

MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
						31	22	22*
41	41	45	43	35	31	22	15	15
35	41	43	45	42	34	32	31	22
35	44	42	45	37	30	25	25	12
32	36	47	45	41	27	25	22	12
32	42	47	42	44	32	23	27	15
35	45*	54*	47*	37*	40*	29*	22*	22*
43*	43*	43*	51*	43*	37	33	29	20*
35	43	49	45	41	34	27	25	22
43	45	47	45	43	34	30	25	20
33	41	44	47	43	32	28	15	15
34	35	43	45	43	33	27	17	15
37	47	47	45	42	36	23	17	7
42	42	47	44	41	33	25	19	19
34*	41	45*	44*	41*	36*	24*	20*	16*
34*	41*	41*	41	40*	34	27	25	14*
32	42	45	45	41	34	25	17	17
33	44	44	44	40	42	23	24	15
37	37	45	44	35	37	24	25	19
42	45	44	39	43	34	31	24	17
33	39	44	45	42	35	26	25	21
35	42	44	44	35	33	24	28	17
37	39	45	45	42	30	25	24	24
35	41	45	44	37	32	32	30	24
33	39	50	4[illegible]	39	35	25	25	24
			41*	42	35	25	17	17*
33	39	44	44	44	39	23	30	23
41	42	44	44	44	37	23	23	21
33	45	43	45	37	37	28	27	12
34	45	46	42	48	37	32	25	25
34	41	45	46	46	34	30	3	3
36	45	43	46	45	36	27	28	9
33	43	52	43	37	32	23	23	23
34	43	46	46	46	36	34	23	23
33	39	48	48	43	41	27	23	10

OPERATING LOCATION [illegible] MONTHLY MINIMUM TEMPERATURE [illegible]
[illegible], [illegible] NC [illegible]

STATION NUMBER: [illegible] STATION NAME: [illegible]
LST TO UTC: +[illegible]

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG
[illegible]	[illegible]	10	21	32	37	41	[illegible]	[illegible]
[illegible]	1[illegible]	[illegible]	27	35	34	41	[illegible]	[illegible]
[illegible]	[illegible]	27	27	32	41	45		
LEAST	7	1[illegible]	1[illegible]	24	3[illegible]	3[illegible]	41	[illegible]
TOTAL OBS	1121	1031	1130	1[illegible]	1093	1[illegible]	[illegible]	[illegible]

THE LEAST VALUE OF 3 OCCURRED ON 12/13/[illegible]

NOTE: *THE VALUE IS BASED ON A MONTH WITH LESS THAN [illegible]

Y MINIMUM TEMPERATURES IN FAHRENHEIT
ROM SUMMARY OF DAY DATA

[illegible] AFB [illegible] PERIOD OF RECORD: 5111-2806
MONTH: ALL HOURS: ALL

MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
27	41	45	45	37	37	37	32	10
34	41	45	45	41	30	27	26	15
41	45							27*
34	34	41	34	34	27	22	3	3
1073	1054	1053	1075	1036	1100	1092	1123	13014

[illegible] 12/13/41

[illegible] WITH LESS THAN [illegible] OF THE DATA AVAILABLE FOR THE MONTH

[illegible]

[illegible]

STATION NAME: [illegible] STATION NO: [illegible]
LAT LONG: [illegible]

YEAR	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
51								
52	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
53	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	
54	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	
55	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]
57	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]		[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]
[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		
61		[illegible]	47	[illegible]	[illegible]	[illegible]	[illegible]	
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		
[illegible]		[illegible]	[illegible]	[illegible]	51	[illegible]	[illegible]	
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]
[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
71	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
72	[illegible]	[illegible]	[illegible]	47	[illegible]	[illegible]		
73	[illegible]	[illegible]	[illegible]	[illegible]	51	[illegible]	[illegible]	[illegible]
74	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
75	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	
76	[illegible]	[illegible]	[illegible]	47				[illegible]
77	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	
78	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
79	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
80	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
81	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
82	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
83	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
84	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
85	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

MONTHLY MEAN TEMPERATURES [illegible]
[illegible] SUMMARY OF DAY DATA

[illegible]: [illegible] YEARS: [illegible]
[illegible]: [illegible]
[illegible]: [illegible]
MONTHS: ALL HOURS: ALL

YR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
							47	42	44*
[illegible]	[illegible]	[illegible]	[illegible]	1	52	[illegible]	39	35	[illegible]
[illegible]	55	[illegible]	51	52	57	53	45	44	[illegible]
[illegible]	53	[illegible]	[illegible]	[illegible]	[illegible]	54	44	44	[illegible]
[illegible]	[illegible]	57	[illegible]	[illegible]	57	[illegible]	44	37	[illegible]
[illegible]	[illegible]		51	7	[illegible]	[illegible]	42	41	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]*	1*	[illegible]*	[illegible]*	44*	[illegible]*	51*
[illegible]*	[illegible]*	[illegible]*	[illegible]*	[illegible]*	[illegible]*	51	44	[illegible]	[illegible]*
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	44	42	51
[illegible]	[illegible]	1	[illegible]	[illegible]	[illegible]	[illegible]	45	39	[illegible]
[illegible]	[illegible]	57	[illegible]	[illegible]	[illegible]	51	42	37	[illegible]
[illegible]	[illegible]	7			[illegible]	51	42	37	[illegible]
[illegible]	51	[illegible]	51	[illegible]	[illegible]	51	45	35	47
[illegible]	47	[illegible]	[illegible]	[illegible]	[illegible]	43	47	[illegible]	[illegible]
[illegible]*	51*	[illegible]*	[illegible]*	[illegible]*	[illegible]*	[illegible]*	[illegible]*	41*	47*
[illegible]*	51*	[illegible]	[illegible]	[illegible]	[illegible]*	[illegible]	[illegible]	41	[illegible]*
[illegible]	1	57	[illegible]	[illegible]	[illegible]	51	51	33	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	57	[illegible]	44	37	[illegible]
47	[illegible]	7	[illegible]	51	57	[illegible]	42	33	[illegible]
[illegible]	[illegible]	1	[illegible]	51	[illegible]	52	47	33	[illegible]
[illegible]	53	[illegible]	[illegible]	51		[illegible]	[illegible]	43	[illegible]
[illegible]	51	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	43	[illegible]	[illegible]
[illegible]	51	57	[illegible]	51	[illegible]	[illegible]	43	41	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	51	41	[illegible]	50
47				[illegible]*	[illegible]	51	[illegible]	[illegible]	[illegible]*
[illegible]	51	[illegible]	[illegible]	[illegible]	57	52	44	44	[illegible]
[illegible]	53	[illegible]	[illegible]	[illegible]	57	53	[illegible]	39	[illegible]
[illegible]	51	[illegible]	53	[illegible]	[illegible]	[illegible]	[illegible]	44	[illegible]
[illegible]	53	[illegible]	[illegible]	[illegible]	[illegible]	50	[illegible]	41	[illegible]
[illegible]	51	[illegible]	51	53	[illegible]	47	[illegible]	33	43
[illegible]	54	51	[illegible]	51	59	51	47	[illegible]	50
[illegible]	59	[illegible]	53	53	57	51	45	43	[illegible]
47	[illegible]	[illegible]	53	54	[illegible]	55	47	41	50
[illegible]	51	54	52	59	59	53	[illegible]	44	[illegible]

```
OPERATING LOCATION [illegible]                        MONTHLY MEAN TEMPERATURE [illegible]
[illegible]                                                      [illegible]

STATION NUMBER:  [illegible]      STATION NAME: [illegible]
                              LST TO UTC: +09
..........................................................................................
YEAR                   JAN      FEB      MAR      APR      MAY      JUN      JUL      AUG
........... ..............................................................................
 [illegible]          [illegible]  [illegible]  [illegible]  [illegible]  [illegible]  [illegible]  [illegible]
 [illegible]          [illegible]  [illegible]  [illegible]  [illegible]  [illegible]
 [illegible]          [illegible]  41  44  [illegible]  [illegible]



........... ..............................................................................

MEAN                [illegible].1   3[illegible].1   4[illegible].1   [illegible]   [illegible].1   [illegible]   [illegible]   [illegible]

........... ........................... ..................................................
TOTAL OBS           1151     1031     1130     [illegible]     [illegible]     1064     [illegible]     [illegible]
..........................................................................................


              NOTE: [illegible] VALUE IS BASED ON A MONTH WITH LESS THAN [illegible]
```

MONTHLY MEAN TEMPERATURES IN FAHRENHEIT
FROM SUMMARY OF DAY DATA

[illegible] AFB, OK PERIOD OF RECORD: 5111-[illegible]
MONTH: ALL HOURS: ALL

	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
	[illegible]	57	61	[illegible]	54	53	47	44	43
	53	[illegible]	[illegible]	50	[illegible]	50	45	44	49
	53	[illegible]							48*
	[illegible].1	57.5	61.2	65.7	56.9	51.1	43.9	43.4	48.9
	1093	1054	1083	1075	1038	1100	1092	1128	13014

* DATA WITH LESS THAN [illegible] OF THE DATA AVAILABLE FOR THE MONTH

OPERATIONS DIRECTIVE "A"
USAMETAC, ASHEVILLE NC

DRY BULB TEMPERATURE SUMMARY
FORT [illegible] VATI NC

STATION NUMBER: [illegible] STATION NAME: UPPER [illegible] [illegible]
LST TO UTC: - 0

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN [illegible]	[illegible]
[illegible]	[illegible]	7.412	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	7.615	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]-11	[illegible]	7.432	[illegible]	[illegible]	[illegible]
12-14	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]-17	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
21-[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
ALL HOURS	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

[illegible]

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]-11	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]-14	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]-17	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]-20	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
21-[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
ALL HOURS	[illegible]	7.110	[illegible]	[illegible]	[illegible]

DRY BULB TEMPERATURE SUMMARY
FROM HOURLY OBSERVATIONS

HEYFORD RAF UK — PERIOD OF RECORD: JUL 75 - JUN 88

MONTH: JAN

MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F					TOTAL
LE 0	LE 32	GE 65	GE 80	GE 93	HOURS
0	265	0	0	0	929
0	291	0	0	0	930
0	275	0	0	0	930
0	244	0	0	0	930
0	157	0	0	0	930
0	161	0	0	0	930
0	299	0	0	0	930
0	299	0	0	0	930
0	1862	0	0	0	7439

MONTH: FEB

0	302	0	0	0	849
0	320	0	0	0	849
0	313	0	0	0	849
0	223	0	0	0	849
0	120	0	0	0	546
0	122	0	0	0	849
0	195	0	0	0	849
0	265	0	0	0	849
0	1860	0	0	0	6791

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

DRY BULB TEMPERATURE SUMMARY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 3[illegible] STATION NAME: UPPER HEYFORD [illegible]
LST TO UTC: - 0

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS AT LE 32	LE 32
00-02	3[illegible].3	5.233	930	0	117
03-05	3[illegible].3	5.434	930	0	13[illegible]
06-08	3[illegible].[illegible]	5.535	930	0	13[illegible]
09-11	42.2	5.572	930	0	4[illegible]
12-14	45.1	5.133	930	0	[illegible]
15-17	45.1	5.032	930	0	4
18-20	4[illegible].3	5.323	930	0	[illegible]1
21-23	4[illegible].2	5.276	930	0	7[illegible]
ALL HOURS	41.3	[illegible]	7440	0	[illegible]

MONTH: [illegible]

00-02	4[illegible].[illegible]	5.324	930	0	[illegible]
03-05	41.2	5.263	930	0	7
06-08	42.4	5.439	930	0	27
09-11	47.3	5.291	930	0	1
12-14	51.2	5.733	930		[illegible]
15-17	51.7	5.876	930	0	[illegible]
18-20	49.2	5.377	930	0	1
21-23	46.6	5.625	930	0	[illegible]
ALL HOURS	46.2	7.160	7200	0	12[illegible]

DRY BULB TEMPERATURE SUMMARY
FROM HOURLY OBSERVATIONS

: UPPER HEYFORD RAF UK — PERIOD OF RECORD: JUL 73 - JUN 86
- 5 — MONTH: MAR

MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F					TOTAL
LE 0	LE 32	GE 65	GE 80	GE 90	HOURS
0	117	0	0	0	930
0	133	0	0	0	930
0	138	0	0	0	930
0	40	0	0	0	930
0	1	0	0	0	930
0	4	0	0	0	930
0	21	0	0	0	930
0	72	0	0	0	930
0	544	1	0	0	7441

MONTH: APR

0	25	0	0	0	900
0	27	0	0	0	900
0	27	0	0	0	900
0	1	4	0	0	900
0	0	30	0	0	900
0	0	35	0	0	900
0	1	2	0	0	900
0	5	0	0	0	900
0	123	71	0	0	7200

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE, NC

DRY BULB TEMPERATURE SUMMARY
FOR HOURLY OBSERVATIONS

STATION NUMBER: [illegible] STATION NAME: UPPER HEYFORD RAF UK
LST TO UTC: - 6

MONTH:

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER EXCEEDED LT 0	LT 32
00-02	[illegible]	[illegible]	930	[illegible]	[illegible]
03-05	[illegible]	4.571	930	[illegible]	[illegible]
06-08	[illegible]	[illegible]	930	[illegible]	[illegible]
09-11	[illegible]	[illegible]	930	[illegible]	
12-14	[illegible]	[illegible]	930	[illegible]	[illegible]
15-17	[illegible]	[illegible]	930	[illegible]	
18-20	[illegible]	[illegible]	930	[illegible]	[illegible]
21-23	[illegible]	[illegible]	930	[illegible]	[illegible]
ALL HOURS	[illegible]	[illegible]	7440	[illegible]	[illegible]

MONTH:

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER EXCEEDED LT 0	LT 32
00-02	[illegible]	4.992	930	[illegible]	[illegible]
03-05	[illegible]	4.710	930	[illegible]	[illegible]
06-08	54.1	4.630	930	[illegible]	[illegible]
09-11	[illegible]	5.474	930	[illegible]	[illegible]
12-14	[illegible]	5.245	930	[illegible]	[illegible]
15-17	62.7	5.332	930	0	[illegible]
18-20	[illegible]	5.333	930	[illegible]	[illegible]
21-23	[illegible]	5.224	930	[illegible]	[illegible]
ALL HOURS	57.1	4.916	7200	0	[illegible]

DRY BULB TEMPERATURE SUMMARY
FROM HOURLY OBSERVATIONS

LYNEHAM RAF UK PERIOD OF RECORD: JUL 78 - JUN 86
MONTH: MAY

MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F LE 0	LE 32	GE 65	GE 80	GE 93	TOTAL HOURS
0	0	0	0	0	930
0	0	0	0	0	930
0	0	0	0	0	930
0	0	25	0	0	930
0	0	33	0	0	930
0	0	45	0	0	930
0	0	54	0	0	930
0	0	4	0	0	930
0	0	231	0	0	7440

MONTH: JUN

0	0	5	0	0	900
0	0	0	0	0	900
0	0	20	0	0	900
0	0	109	0	0	900
0	0	234	5	0	900
0	0	278	10	0	900
0	0	157	0	0	900
0	0	43	0	0	900
0	0	846	15	0	7200

OPERATING LOCATION: MAW
USATRTAC, ACHEVILLE NC

DRY BULB TEMPERATURE SUMMARY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 35553 STATION NAME: UPPER HEYFORD RAF UK PERIOD
LST TO UTC: - 0 MONTH:

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS LE 0	LE 32
00-02	56.7	4.286	930	0	0
03-05	55.2	4.174	930	0	0
06-08	54.5	4.172	930	0	0
09-11	55.[illegible]	5.254	930	0	0
12-14	57.2	5.171	930	0	0
15-17	57.1	5.573	930	0	0
18-20	54.7	5.031	930	0	0
21-23	55.7	4.71[illegible]	930	0	
ALL HOURS	51.7	5.24[illegible]	7440	0	0

JUL

00-02	55.[illegible]	5.244	930	0	0
03-05	55.1	4.256	930	0	0
06-08	55.7	4.15[illegible]	930	0	0
09-11	62.[illegible]	4.4[illegible]	930	0	0
12-14	65.1	5.204	930	0	0
15-17	66.7	5.700	930	0	0
18-20	63.[illegible]	5.310	930	0	0
21-23	59.[illegible]	4.449	930	0	0
ALL HOURS	60.[illegible]	6.415	7440	0	0

DRY BULB TEMPERATURE SUMMARY
FROM HOURLY OBSERVATIONS

BIFORD RAF UK — PERIOD OF RECORD: JUL 73 - JUN 88
MONTH: JUL

MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F					TOTAL
LE 0	LE 32	GE 65	GE 80	GE 93	HOURS
0	0	31	0	0	930
0	0	4	0	0	930
0	0	39	0	0	930
0	0	231	7	0	930
0	0	535	34	0	930
0	0	577	51	0	930
0	0	394	12	0	930
0	0	114	0	0	930
0	0	1375	104	0	7440

MONTH: AUG

0	0	21	0	0	930
0	0	2	0	0	930
0	0	15	0	0	930
0	0	204	0	0	930
0	0	455	13	0	930
0	0	485	23	0	930
0	0	313	1	0	930
0	0	92	0	0	930
0	0	1597	37	0	7440

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

DRY BULB TEMPERATURE SUMMARY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 36553 STATION NAME: UPPER HAYFORD RAF UK
LST TO UTC: - 0

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS LE 0	LE 32
00-02	54.1	4.274	930	0	[illegible]
03-05	53.5	5.093	930	0	[illegible]
06-08	53.7	4.958	930	0	[illegible]
09-11	53.4	4.701	930	[illegible]	[illegible]
12-14	53.[illegible]	5.[illegible]7	930	0	[illegible]
15-17	53.1	5.134	930	[illegible]	[illegible]
18-20	[illegible]	4.[illegible]	930	0	[illegible]
21-23	[illegible]	4.[illegible]	930	[illegible]	[illegible]
ALL HOURS	52.7	5.[illegible]	7[illegible]		[illegible]

00-02	49.[illegible]	5.936	930	0	3
03-05	4[illegible].6	5.270	930	0	3
06-08	4[illegible].5	5.349	930	0	1
09-11	52.[illegible]	5.564	930	0	[illegible]
12-14	[illegible].0	5.351	930	[illegible]	
15-17	55.[illegible]	5.434	930	0	[illegible]
18-20	52.2	5.583	930	0	[illegible]
21-23	5[illegible].2	5.679	930	0	[illegible]
ALL HOURS	51.5	5.450	7440	0	7

NY FOUR TEMPERATURE SUMMARY
FROM HOURLY OBSERVATIONS

[illegible] NAF JK PERIOD OF RECORD: JUL 78 - JUN 88
MONTH: SEP

MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F					TOTAL
LE 0	LE 32	GE 65	GE 80	GE 83	HOURS
0	0	2	0	0	900
0	0	0	0	0	900
0	0	2	0	0	900
0	0	77	0	0	900
0	0	273	2	0	900
0	0	2[illegible]	1	0	900
0	0	92	0	0	900
0	0	10	0	0	900
0	0	742	3	0	7200

MONTH: OCT

0	3	0	0	0	930
0	3	0	0	0	930
0	1	0	0	0	930
0	0	5	0	0	930
0	0	36	0	0	930
0	0	32	0	0	930
0	0	4	0	0	930
0	0	0	0	0	930
0	7	82	0	0	7440

OPERATING LOCATION MAP
USAFETAC, ASHEVILLE NC

DRY BULB TEMPERATURE SUMMARY
FROM JULY [illegible] STATIONS

STATION NUMBER: [illegible] STATION NAME: UPPER HEYFORD [illegible]
LST TO UTC: - 0

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF DAYS [illegible]	[illegible]
00-02	44.3	7.217	930	[illegible]	[illegible]
03-05	43.6	7.24	930	[illegible]	[illegible]
06-08	43.2	7.433	930	[illegible]	7
09-11	44.3	7.[illegible]	930	[illegible]	[illegible]
12-14	47.4	6.[illegible]	[illegible]	[illegible]	4
15-17	47.5	[illegible]	[illegible]		1
18-20	[illegible]	[illegible]	[illegible]		[illegible]
21-23	44.4	[illegible]	[illegible]		
ALL HOURS	44.2	7.[illegible]	[illegible]		[illegible]

00-02	40.2	7.433	930	[illegible]	14
03-05	40.0	7.[illegible]	930	[illegible]	[illegible]
06-08	39.2	7.551	930	[illegible]	[illegible]
09-11	41.[illegible]	7.421	930	[illegible]	[illegible]
12-14	42.2	6.[illegible]	930	[illegible]	[illegible]
15-17	42.6	6.997	930	[illegible]	[illegible]
18-20	41.2	7.325	930	[illegible]	[illegible]
21-23	41.5	7.216	930	[illegible]	[illegible]
ALL HOURS	41.1	7.334	7440	[illegible]	247

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                DRY BULB TEMPERATURE SUMMARY
                  FROM HOURLY OBSERVATIONS

[illegible] HEYFORD RAF UK                  PERIOD OF RECORD:  JUL 7[illegible] - JUN [illegible]
                                            MONTH: NOV
.........................................................................
                         MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F    TOTAL
                              LE 0    LE 32   GE 55   GE 80   GE 93     HOURS
.........................................................................
                                0      [illegible]    0       0       0       900
                                0      [illegible]    0       0       0       900
                                0      [illegible]7   0       0       0       900
                                0      [illegible]    0       0       0       900
                                0       4       0       0       0       900
                                       1[illegible]            0       0       900
                                       [illegible]4                    0       900
                                       [illegible]    0       0       0       900

                                       [illegible]27   0       0       0      7200
.........................................................................

                                       MONTH: DEC
.........................................................................
                                0      140      0       0       0       930
                                0      147      0       0       0       930
                                0      153      0       0       0       930
                                0      1[illegible]      0       0       0       930
                                0       75      0       0       0       930
                                0       79      0       0       0       930
                                0      103      0       0       0       930
                                0      125      0       0       0       930

                                0      947      0       0       0      7440
.........................................................................
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OPERATING LOCATION "A"                                          [illegible] HOUR [illegible] SUMMARY
USAFETAC, ASHEVILLE NC                                              [illegible]LY [illegible]

STATION NUMBER: [illegible]     STATION NAME: UPPER HEYFORD RAF UK                    [illegible]
                                LST TO UTC: - 0                                       [illegible]:

........................................................................................
HOURS       [illegible]   STANDARD     TOTAL                                [illegible]   [illegible]
 LST                      DEVIATION    OBS                                  [illegible]   [illegible]
........................................................................................
00-02       [illegible]   [illegible]  [illegible]                                        [illegible]

03-05       [illegible]   [illegible]  [illegible]                          [illegible]   [illegible]

06-08       [illegible]   [illegible]  [illegible]                                        [illegible]

09-11       [illegible]   11.[illegible]  [illegible]

12-14       [illegible]   11.[illegible]  [illegible]

15-17       [illegible]   11.[illegible]  [illegible]

18-20       [illegible]   11.[illegible]  [illegible]                                     [illegible]

21-23       [illegible]   [illegible]  [illegible]

 ALL
HOURS       [illegible]   1[illegible]  [illegible]
........................................................................................
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DRY BULB TEMPERATURE SUMMARY
FROM HOURLY OBSERVATIONS

[illegible] HOYT LAKE [illegible]

PERIOD OF RECORD: JUL 7[illegible] - JUN 8[illegible]
MONTH: ALL

	NUMBER OF HOURS WITH TEMPERATURES DEG F				TOTAL
	LE [illegible]	LE 32	GE 65	GE 90	GE 93	HOURS
	[illegible]	[illegible]	[illegible]	0	0	10958
	[illegible]	[illegible]	5	[illegible]	0	10959
	[illegible]	[illegible]	76	[illegible]	0	10959
	[illegible]	[illegible]	[illegible]	7	0	10959
	[illegible]	[illegible]	1156	[illegible]	0	10959
	[illegible]	[illegible]	1774	[illegible]	0	10959
	[illegible]	572	[illegible]	13	0	10959
	[illegible]	[illegible]	[illegible]	[illegible]	0	[illegible]
	[illegible]	[illegible]	[illegible]	199	0	87670

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE, NC

WET BULB TEMPERATURE SUMMARY
FROM HOURLY OBSERVATIONS

STATION NUMBER: [illegible] STATION NAME: [illegible]
EST TO UTC: - 0

HOURS EST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS [illegible]	[illegible]
[illegible]	[illegible]	7.156	927	364	15
03-05	34.2	7.325	930	379	15
06-08	34.0	[illegible]	930	337	17
09-11	[illegible]	[illegible]	930	[illegible]	12
12-14	35.7	[illegible]	930	339	14
15-17	[illegible]	[illegible]	930	[illegible]	12
18-20	[illegible]	5.773	930	339	17
21-23	[illegible]	[illegible]	[illegible]	364	14
ALL HOURS	[illegible]	[illegible]	7439	[illegible]	[illegible]

HOURS EST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS [illegible]	[illegible]
00-02	33.[illegible]	5.991	949	411	[illegible]
03-05	33.3	7.015	949	439	
06-08	32.6	7.072	949	437	[illegible]
09-11	34.9	6.551	949	354	[illegible]
12-14	35.[illegible]	5.454	949	237	17
15-17	35.4	5.334	949	355	[illegible]
18-20	34.7	5.513	949	350	[illegible]
21-23	33.[illegible]	5.735	949	339	[illegible]
ALL HOURS	34.3	5.993	6791	[illegible]	35

WET BULB TEMPERATURE SUMMARY
FROM HOURLY OBSERVATIONS

[illegible] HEYFORD RAF UK PERIOD OF RECORD: JUL 7[illegible] - JUN 8[illegible]
MONTH: JAN

MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F					TOTAL
LE 32	GE 50	GE 67	GE 73	GE 80	HOURS
364	15	0	0	0	929
379	16	0	0	0	930
337	16	0	0	0	930
249	12	0	0	0	930
232	14	0	0	0	930
234	16	0	0	0	930
339	17	0	0	0	930
364	14	0	0	0	930
2633	114	0	0	0	7439

MONTH: FEB

411	0	0	0	0	849
429	0	0	0	0	849
437	0	0	0	0	849
354	2	0	0	0	849
237	17	0	0	0	848
255	6	0	0	0	849
350	0	0	0	0	849
389	0	0	0	0	849
2862	25	0	0	0	6791

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

WET BULB TEMPERATURE SUMMARY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 36553 STATION NAME: UPPER HEYFORD RAF UK
LST TO UTC: - 0

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS LE 32	[illegible]
00-02	36.4	5.512	930	235	[illegible]
03-05	36.2	5.490	930	237	[illegible]
06-08	36.3	5.5[illegible]	930	[illegible]	[illegible]
09-11	39.1	5.155	930	7	[illegible]
12-14	40.7	4.[illegible]	930	[illegible]	[illegible]
15-17	43.6	4.773	930	[illegible]	[illegible]
18-20	[illegible]	4.452	930	[illegible]	[illegible]
21-23	37.5	5.234	930	[illegible]	[illegible]
ALL HOURS	[illegible]	5.527	7440	1181	[illegible]

[illegible]

00-02	39.4	5.154	900	44	[illegible]
03-05	39.6	5.1[illegible]	900	134	[illegible]
06-08	39.7	5.115	900	[illegible]	[illegible]
09-11	43.3	4.954	900	7	110
12-14	45.0	5.25[illegible]	900	[illegible]	[illegible]
15-17	46.1	5.354	900	1	[illegible]
18-20	43.3	5.358	900	10	123
21-23	41.0	5.173	900	[illegible]	[illegible]
ALL HOURS	41.9	5.696	7200	324	752

WET BULB TEMPERATURE SUMMARY
FROM HOURLY OBSERVATIONS

YEORD RAF UK PERIOD OF RECORD: JUL 78 - JUN 85
MONTH: MAR

MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F LE 32	GE 50	GE 67	GE 73	GE 80	TOTAL HOURS
235	6	0	0	0	930
237	4	0	0	0	930
232	5	0	0	0	930
7	23	0	0	0	930
52	33	0	0	0	930
53	45	0	0	0	930
133	22	0	0	0	930
157	3	0	0	0	930
1151	144	0	0	0	7440

MONTH: APR

84	33	0	0	0	900
104	21	0	0	0	900
10	28	0	0	0	900
7	110	0	0	0	900
2	190	0	0	0	900
1	200	0	0	0	900
10	123	0	0	0	900
40	54	0	0	0	900
328	759	0	0	0	7200

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE, NC

WET BULB TEMPERATURE SUMMARY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 46863 STATION NAME: UPPER HEYFORD RAF UK
LST TO UTC: - 0

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS LE 32	GE 32
00-02	43.0	4.596	930	3	115
03-05	43.0	4.772	930	16	[illegible]
06-08	45.2	4.576	930	4	[illegible]
09-11	46.2	4.543	930	[illegible]	[illegible]
12-14	49.[illegible]	4.503	930	0	[illegible]
15-17	49.[illegible]	4.314	930	0	[illegible]
18-20	4[illegible].3	[illegible]	930	[illegible]	877
21-23	46.[illegible]	4.356	930	[illegible]	21[illegible]
ALL HOURS	4[illegible].[illegible]	[illegible]	7440	23	[illegible]

00-02	47.3	4.913	[illegible]	3	476
03-05	49.1	4.278	[illegible]	[illegible]	415
06-08	51.2	4.482	900	0	[illegible]
09-11	53.9	4.622	900	0	755
12-14	[illegible].5	4.933	900	[illegible]	[illegible]
15-17	55.7	5.010	900	0	815
18-20	54.3	4.936	900	0	753
21-23	51.3	4.924	900	0	572
ALL HOURS	52.7	5.352	7200	0	5219

WET BULB TEMPERATURE SUMMARY
FROM HOURLY OBSERVATIONS

HOLYROOD RAF UK PERIOD OF RECORD: JUL 75 - JUN 88
MONTH: MAY

MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F LE 32	GE 50	GE 67	GE 73	GE 80	TOTAL HOURS
3	116	0	0	0	930
15	[illegible]	0	0	0	930
4	155	0	0	0	930
1	351	0	0	0	930
0	499	0	0	0	930
0	492	2	0	0	930
1	377	0	0	0	930
0	215	0	0	0	930
23	2276	2	0	0	7440

MONTH: JUN

0	476	0	0	0	900
0	415	0	0	0	900
0	555	0	0	0	900
0	755	10	0	0	900
0	499	21	0	0	900
0	315	26	0	0	900
0	759	9	0	0	900
0	502	0	0	0	900
0	5219	66	0	0	7200

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE, NC

WET BULB TEMPERATURE SUMMARY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 26593 STATION NAME: UPPER HEYFORD ENG UK
LST TO UTC: - 0

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS BE		
				L- 32	32-50	50-
00-02	53.5	4.213	930	0	7[illegible]	
03-05	52.7	4.365	930	0	7[illegible]	
06-08	54.7	3.775	930	0	[illegible]	
09-11	57.4	4.153	930	0	815	
12-14	58.8	4.272	930	0	914	
15-17	58.1	4.274	930	0	[illegible]	
18-20	57.[illegible]	4.2[illegible]	930	0	41[illegible]	
21-23	56.4	4.134	930	0	[illegible]	
ALL HOURS	55.2	4.732	7440	0	[illegible]	1

MONTH: A

00-02	53.[illegible]	4.452	930	0	737	
03-05	52.4	4.534	930	0	7[illegible]	
06-08	53.	4.315	930	0	7[illegible]	
09-11	55.	4.000	930	0	[illegible]	
12-14	5[illegible].1	4.134	930	0	8[illegible]	
15-17	53.4	4.217	930	0	8[illegible]	
18-20	54.7	4.253	930	0	[illegible]	
21-23	54.7	4.443	930	0	[illegible]	
ALL HOURS	55.6	4.821	7440	0	55[illegible]1	

NET PULE TEMPERATURE SUMMARY
FROM HOURLY OBSERVATIONS

EDWARD AFB CA

PERIOD OF RECORD: JUL 74 - JUN 83
MONTH: JUL

MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F					TOTAL
LE 32	GE 50	GE 67	GE 73	GE 80	HOURS
0	736	0	0	0	930
0	720	0	0	0	930
0	648	2	0	0	930
0	715	26	0	0	930
0	919	61	0	0	930
0	920	56	0	0	930
0	915	29	0	0	930
0	658	4	0	0	930
0	5272	158	0	0	7440

MONTH: AUG

0	737	0	0	0	930
0	679	0	0	0	930
0	783	0	0	0	930
0	906	3	0	0	930
0	926	25	0	0	930
0	925	34	0	0	930
0	909	12	0	0	930
0	818	3	0	0	930
0	6691	82	0	0	7440

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

WET BULB TEMPERATURE SUMMARY
FOR HOURLY OBSERVATIONS

STATION NUMBER: 3[illegible]3 STATION NAME: UPPER [illegible] AFB [illegible]
LST TO UTC: - 0

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS [illegible]	[illegible]
00-02	51.1	5.158	693	3	[illegible]
03-05	53.4	5.294	930	[illegible]	[illegible]
06-08	51.1	5.343	930	1	771
09-11	54.4	4.245	930	1	7[illegible]
12-14	55.3	4.471	930	1	[illegible]
15-17	[illegible].7	4.[illegible]	930	[illegible]	[illegible]
18-20	54.3	[illegible]	930	3	722
21-23	[illegible]	[illegible]	930	[illegible]	[illegible]
ALL HOURS	53.1	5.255	7193	[illegible]	[illegible]

[illegible]

00-02	45.[illegible]	5.977	930	4	321
03-05	45.1	5.250	930	12	[illegible]
06-08	44.[illegible]	5.337	930	12	222
09-11	43.[illegible]	5.485	930	1	4[illegible]
12-14	5[illegible].[illegible]	4.951	930	2	5[illegible]
15-17	[illegible].2	5.110	930	[illegible]	[illegible]
18-20	47.4	5.395	930	[illegible]	3[illegible]
21-23	47.2	5.663	930	3	344
ALL HOURS	45.0	5.335	7441	32	31[illegible]

WET BULB TEMPERATURE SUMMARY
FROM HOURLY OBSERVATIONS

1 YEJNO RAF UK

PERIOD OF RECORD: JUL 78 - JUN 88
MONTH: SEP

MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F					TOTAL
LE 32	GE 50	GE 67	GE 73	GE 80	HOURS
0	568	0	0	0	900
0	523	0	0	0	900
0	571	0	0	0	900
0	732	0	0	0	900
0	527	2	0	0	900
0	[illegible]	3	0	0	900
0	722	0	0	0	900
0	688	0	0	0	900
0	5434	5	0	0	7199

MONTH: OCT

4	321	0	0	0	930
12	300	0	0	0	930
12	297	0	0	0	930
1	448	0	0	0	930
0	543	0	0	0	930
0	493	0	0	0	930
0	399	0	0	0	930
3	344	0	0	0	930
32	3145	0	0	0	7440

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

JET FUEL TEMPERATURE SUMMARY
FROM HOURLY OBSERVATIONS

STATION NUMBER : 3[illegible]
STATION NAME: UPPER HEYFORD RAF UK
LST TO UTC: - 0

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN [illegible]	[illegible]
00-02	41.5	5.[illegible]	303	1	142
03-05	41.[illegible]	7.017	[illegible]	24	1[illegible]
06-08	40.[illegible]	7.186	303	1[illegible]	141
09-11	43.[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
12-14	44.4	5.232	[illegible]	[illegible]	[illegible]
15-17	43.[illegible]	5.333	303	[illegible]	[illegible]
18-20	42.5	5.[illegible]1	[illegible]	[illegible]	[illegible]
21-23	41.7	[illegible]	[illegible]	74	[illegible]
ALL HOURS	42.3	5.[illegible]7	7[illegible]	[illegible]	[illegible]

00-02	3[illegible].1	7.[illegible]	[illegible]	[illegible]	7
03-05	37.[illegible]	7.431	[illegible]	[illegible]	[illegible]
06-08	37.[illegible]	7.436	[illegible]	244	[illegible]
09-11	[illegible].7	7.271	[illegible]	1[illegible]1	7[illegible]
12-14	[illegible].4	5.772	[illegible]	[illegible]	[illegible]
15-17	39.[illegible]	[illegible].921	330	1[illegible]	[illegible]
18-20	3[illegible].[illegible]	[illegible].9[illegible]	333	1[illegible]	74
21-23	3[illegible].4	7.1[illegible]	333	1[illegible]	7
ALL HOURS	38.[illegible]	7.160	7440	14[illegible]	[illegible]

WET BULB TEMPERATURE SUMMARY
FROM HOURLY OBSERVATIONS

[illegible] HEYFORD RAF UK

PERIOD OF RECORD: JUL 73 - JUL 8[illegible]
MONTH: NOV

MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F					TOTAL
LE 32	GE 50	GE 67	GE 73	GE 80	HOURS
[illegible]1	142	0	0	0	900
24	133	0	0	0	900
1[illegible]	141	0	0	0	900
[illegible]7	1[illegible]2	0	0	0	900
[illegible]	224	0	0	0	900
95	207	0	0	0	900
[illegible]	1[illegible]	0	0	0	900
74	1[illegible]	0	0	0	900
[illegible]47	1[illegible]	0	0	0	7200

MONTH: DEC

2[illegible]	57	0	0	0	930
[illegible]3	54	0	0	0	930
244	53	0	0	0	930
1[illegible]1	76	0	0	0	930
1[illegible]	1[illegible]1	0	0	0	930
136	38	0	0	0	930
155	74	0	0	0	930
1[illegible]3	[illegible]7	0	0	0	930
1429	560	0	0	0	7440

OPERATING LOCATION: [illegible]
USAFETAC, ASHEVILLE, NC

WET BULB TEMPERATURE SUMMARY
[illegible] DEPRESSION

STATION NUMBER: [illegible] STATION NAME: UPPER [illegible] AB, [illegible]
EST TIME UTC: - 0

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN DEPRESSION	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
12-14	47.	[illegible]	[illegible]	[illegible]	[illegible]
15-17	47.7	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
21-23	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
ALL [illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

WET BULB TEMPERATURE SUMMARY
ARMY WEEKLY OBSERVATIONS

NAME: UPPER HAYFORD RAPIDS PERIOD OF RECORD: JUL 78 - JUN 80
TO: - 0 MONTH: ALL

TOTAL	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F					TOTAL HOURS
	LE 32	GE 32	GE 67	GE 73	GE 80	
2	1372	9587	0	0	0	10957
[illegible]	1504	9453	0	0	0	10957
	1514	9437	0	0	0	10957
[illegible]	1054	9903	44		0	10957
[illegible]	474	9983	0	0	0	10957
[illegible]	703	9254	121	0	0	10957
[illegible]	1531	9424	0	0	0	10957
[illegible]	1210	9743	0	0	0	10957
[illegible]	8113	83553	165	0	0	87665

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE, NC

DEW POINT TEMPERATURE SUMMARY
FOR SUPPLY DISTRIBUTION

STATION NUMBER: 3[illegible] STATION NAME: UPPER HEYFORD RAF UK
LST TO UTC: - 0

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS LE 27	GE 27
00-02	31.2	7.172	922	338	2[illegible]
03-05	30.4	7.344	930	300	2[illegible]
06-[illegible]	[illegible]	7.341	930	314	2[illegible]
09-11	31.6	7.[illegible]	930	[illegible]	[illegible]
12-14	32.4	7.553	930	216	317
15-17	32.[illegible]	7.765	930	247	[illegible]
18-[illegible]	[illegible]	7.[illegible]	930	[illegible]	[illegible]
21-23	31.6	7.315	930	335	[illegible]
ALL HOURS	31.[illegible]	7.324	7434	[illegible]	[illegible]

00-02	29.5	7.152	949	37[illegible]	17[illegible]
03-05	29.[illegible]	7.344	947	[illegible]	1[illegible]7
06-[illegible]	29.3	7.612	947	345	17[illegible]
09-11	30.4	7.9[illegible]5	949	342	1[illegible]
12-14	31.[illegible]	7.[illegible]01	943	[illegible]	[illegible]
15-17	31.2	7.059	949	[illegible]	243
18-[illegible]	30.3	7.103	949	34[illegible]	233
21-23	29.[illegible]	7.351	949	373	21[illegible]
ALL HOURS	30.1	7.201	5721	2[illegible]5	1[illegible]4

DEW POINT TEMPERATURE SUMMARY
FROM HOURLY OBSERVATIONS

22202 HEYFORD RAF UK

PERIOD OF RECORD: JUL 75 - JUN 84
MONTH: JAN

MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F				TOTAL
LE 27	GE 37	LE 55	GE 65	HOURS
333	245	929	0	929
300	232	930	0	930
314	237	930	0	930
269	257	930	0	930
215	317	930	0	930
247	303	930	0	930
2[illegible]5	251	930	0	930
235	252	930	0	930
2223	2034	7439	0	7439

MONTH: FEB

376	194	849	0	848
332	187	848	0	848
305	175	849	0	848
342	173	849	0	848
299	239	848	0	848
299	243	849	0	848
348	233	849	0	848
373	219	849	0	848
2326	1684	6791	0	6791

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

DEW POINT TEMPERATURE SUMMARY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 36553 STATION NAME: UPPER HEYFORD RAF UK
LST TO UTC: - 0

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS	
				LE 27	GE 37
00-02	32.[illegible]	5.207	930	145	256
03-05	32.7	5.715	930	140	253
06-08	33.1	5.644	930	135	27
09-11	33.1	5.323	930	[illegible]	[illegible]
12-14	33.[illegible]	5.520	930	110	3[illegible]
15-17	34.[illegible]	5.757	930	[illegible]	[illegible]
18-20	34.1	5.553	930	13	3[illegible]
21-23	33.[illegible]	5.740	930	173	3[illegible]
ALL HOURS	33.[illegible]	5.751	7440	1[illegible]	[illegible]

00-02	35.[illegible]	5.249	900	[illegible]	241
03-05	35.3	5.131	900	[illegible]	3[illegible]
06-08	35.3	5.914	900	37	414
09-11	37.1	5.055	900	3	72[illegible]
12-14	3[illegible].2	5.251	900	34	[illegible]
15-17	33.[illegible]	5.365	900	[illegible]	525
18-20	37.7	5.330	900	[illegible]	513
21-23	35.7	5.121	900	[illegible]	444
ALL HOURS	37.0	5.225	7200	472	3702

DEW POINT TEMPERATURE SUMMARY
FROM HOURLY OBSERVATIONS

UPPER HEYFORD RAF UK — PERIOD OF RECORD: JUL 78 - JUN 88

MONTH: MAR

MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F				TOTAL
LE 27	GE 37	LE 55	GE 65	HOURS
135	259	930	0	930
140	253	930	0	930
173	278	930	0	930
105	310	930	0	930
112	323	930	0	930
132	357	930	0	930
131	330	930	0	930
173	303	930	0	930
1213	2553	7440	0	7440

MONTH: APR

44	391	900	0	900
44	343	900	0	900
57	416	900	0	900
30	526	900	0	900
34	524	895	0	900
48	525	900	0	900
55	513	900	0	900
54	444	900	0	900
472	3702	7193	0	7200

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

DEW POINT TEMPERATURE SUMMARY
FROM HOURLY OBSERVATIONS

STATION NUMBER: [illegible] STATION NAME: UPPER HEYFORD RAF UK PERIOD
LST TO UTC: + 0 MONTH:

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS L- 27	GE 27
00-02	41.1	5.276	930	[illegible]	713
03-05	40.6	5.043	930	13	593
06-08	42.3	5.573	930	[illegible]	771
09-11	43.3	[illegible]	930	[illegible]	[illegible]
12-14	43.5	5.358	930	10	774
15-17	43.2	5.537	930	[illegible]	[illegible]
18-20	43.1	5.406	930	7	773
21-23	42.4	5.272	930	[illegible]	[illegible]
ALL HOURS	42.4	[illegible]	7440	[illegible]	[illegible]

[illegible]

00-02	47.7	5.498	900	[illegible]	[illegible]
03-05	47.2	5.414	900	[illegible]	[illegible]
06-08	[illegible]	5.112	900	[illegible]	[illegible]
09-11	49.2	5.425	900	0	[illegible]
12-14	[illegible]	5.925	900	0	[illegible]
15-17	50.1	5.375	900	0	[illegible]
18-20	49.5	5.537	900	0	[illegible]
21-23	48.8	5.423	900	0	[illegible]
ALL HOURS	49.0	5.697	7200	0	7123

DEW POINT TEMPERATURE SUMMARY
FROM HOURLY OBSERVATIONS

UPPER HAYFORD RAF UK — PERIOD OF RECORD: JUL 78 - JUN 88

MONTH: MAY

MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F				TOTAL
LE 27	GE 37	LE 55	GE 65	HOURS
0	710	930	0	930
13	693	930	0	930
3	721	930	0	930
3	705	921	0	930
13	720	904	0	930
13	759	913	0	930
7	773	916	0	930
10	750	923	0	930
54	5041	7375	0	7440

MONTH: JUN

0	883	847	0	900
0	879	861	0	900
0	878	844	0	900
0	895	799	1	900
0	872	772	2	900
0	892	774	1	900
0	895	735	2	900
0	895	832	0	900
0	7129	6524	6	7200

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

DEW POINT TEMPERATURE SUMMARY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 93853 STATION NAME: UPPER HEYFORD RAF UK
LST TO UTC: - 0

PERIOD
MONTH: J

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS W LE 27	GE 37	L
00-02	51.3	5.035	930	0	929	
03-05	50.7	4.732	930	0	930	
06-08	52.3	4.625	930	0	929	
09-11	52.3	5.147	930	0	930	
12-14	52.[illegible]	5.415	930	0	930	
15-17	52.5	5.433	930	0	930	
18-20	52.5	.257	930	0	930	
21-23	52.1	5.224	930	0	929	
ALL HOURS	52.1	.224	7443	0	7438	

MONTH: A

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS W LE 27	GE 37	L
00-02	53.	5.257	930	0	930	
03-05	53.3	5.133	930	0	930	
06-08	51.[illegible]	4.910	930	0	930	
09-11	52.3	5.199	930	0	930	
12-14	52.0	5.402	930	0	930	
15-17	52.2	5.450	930	0	930	
18-20	51.3	5.354	930	0	930	
21-23	51.3	5.210	930	0	930	
ALL HOURS	51.5	5.339	7440	0	7437	

DEW POINT TEMPERATURE SUMMARY
FROM HOURLY OBSERVATIONS

HEYFORD RAF UK PERIOD OF RECORD: JUL 75 - JUN 85
MONTH: JUL

MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F LE 27	GE 37	LE 55	GE 65	TOTAL HOURS
0	928	789	0	930
0	930	704	0	930
0	930	760	0	930
0	930	694	5	930
0	930	651	5	930
0	930	704	5	930
0	930	712	6	930
0	927	731	0	930
0	7435	5725	21	7440

MONTH: AUG

0	929	731	2	930
0	928	803	0	930
0	930	771	0	930
0	930	730	2	930
0	930	729	0	930
0	930	720	0	930
0	930	752	0	930
0	930	775	3	930
0	7437	6061	7	7440

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE, NC

DEW POINT TEMPERATURE SUMMARY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 3[illegible]3 STATION NAME: UPPER HEYFORD RAF UK
LST TO UTC: - 0

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS [illegible]	[illegible]
00-02	45.5	5.102	933	[illegible]	[illegible]
03-05	44.2	5.946	930	[illegible]	[illegible]
06-08	43.[illegible]	5.725	930	[illegible]	[illegible]
09-11	46.4	5.499	930	[illegible]	[illegible]
12-14	50.1	5.962	930	[illegible]	[illegible]
15-17	49.6	5.235	[illegible]	[illegible]	[illegible]
18-20	49.5	5.174	930	[illegible]	[illegible]
21-23	49.[illegible]	5.355	930	[illegible]	[illegible]
ALL HOURS	46.3	5.945	7133	[illegible]	7133

[illegible]

00-02	43.[illegible]	5.930	930	4	74[illegible]
03-05	43.5	7.025	930	[illegible]	7[illegible]
06-08	43.[illegible]	7.110	930	[illegible]	7[illegible]
09-11	45.7	5.137	930	[illegible]	[illegible]
12-14	46.2	5.972	930	[illegible]	[illegible]
15-17	45.5	5.718	930	[illegible]	[illegible]
18-20	44.3	5.360	930	2	930
21-23	44.2	5.5[illegible]	930	3	[illegible]
ALL HOURS	44.7	5.669	7440	25	5587

DEW POINT TEMPERATURE SUMMARY
FROM HOURLY OBSERVATIONS

: UPPER HEYFORD RAF UK — PERIOD OF RECORD: JUL 76 - JUN 84
- 5 — MONTH: SEP

MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F				TOTAL
LE 27	GE 37	LE 55	GE 65	HOURS
1	880	811	0	899
2	875	23	0	900
3	886	812	0	900
4	23	768	0	900
5	892	764	0	900
6	893	764	0	900
7	896	761	0	900
8	895	774	0	900
8	7115	6277	0	7199

MONTH: OCT

4	792	934	0	930
4	769	953	0	930
5	769	892	0	930
6	863	842	0	930
7	876	891	0	930
0	862	923	0	930
2	832	900	0	930
3	809	903	0	930
25	5587	7143	0	7440

OPERATING LOCATION "A"
[illegible], ASHEVILLE, NC

DEW POINT TEMPERATURE SUMMARY
FROM HOURLY OBSERVATIONS

STATION NUMBER: [illegible] STATION NAME: UPPER HOYPOLE [illegible]
LST TO UTC: - 5

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN [illegible]	[illegible]
00-02	35.6	7.734	903	[illegible]	[illegible]
03-05	35.5	7.[illegible]	903	[illegible]	[illegible]
06-08	34.1	7.161	[illegible]	[illegible]	[illegible]
09-11	33.3	7.[illegible]	933	[illegible]	[illegible]
12-14	[illegible]	7.[illegible]	[illegible]	[illegible]	[illegible]
15-17	33.1	7.[illegible]	933	[illegible]	[illegible]
18-20	33.5	7.[illegible]	933	[illegible]	[illegible]
21-23	[illegible]	7.616	[illegible]	[illegible]	[illegible]
ALL HOURS	33.3	7.757	[illegible]	[illegible]	[illegible]

					[illegible]
00-02	35.[illegible]	7.[illegible]	[illegible]	[illegible]	[illegible]
03-05	[illegible]	7.356	[illegible]	173	351
06-08	34.[illegible]	7.451	[illegible]	174	374
09-11	35.[illegible]	7.124	[illegible]	145	41[illegible]
12-14	37.1	7.742	939	[illegible]	47[illegible]
15-17	36.7	7.527	939	117	449
18-20	35.[illegible]	7.334	939	139	41[illegible]
21-23	35.4	7.073	939	145	39[illegible]
ALL HOURS	35.[illegible]	7.182	7440	1143	3[illegible]

DEW POINT TEMPERATURE SUMMARY
FROM HOURLY OBSERVATIONS

[illegible] HEYFORD RAF UK PERIOD OF RECORD: JUL 78 - JUN 88
MONTH: NOV

MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F				TOTAL
LE 27	LE 37	LE 55	GE 55	HOURS
73	515	900	0	900
76	515	900	0	900
[illegible]	[illegible]	998	0	900
[illegible]	[illegible]	900	0	900
42	542	599	0	900
[illegible]	511	597	0	900
[illegible]	[illegible]	599	0	900
[illegible]	522	900	0	900
[illegible]	[illegible]	7185	0	7200

MONTH: DEC

155	391	930	0	930
173	381	930	0	930
174	394	930	0	930
146	418	930	0	930
92	478	930	0	930
117	449	930	0	930
139	418	930	0	930
146	396	930	0	930
1143	3325	7440	0	7440

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OPERATING LOCATION "A"                                DEW POINT TEMPERATURE SUMMARY
USAFETAC, ASHEVILLE NC                                 FROM HOURLY OBSERVATIONS

STATION NUMBER : [illegible]    STATION NAME: UPPER HEYFORD RAF UK
                                  LST TO UTC: + 0

..........................................................................
HOURS          MEAN    STANDARD      TOTAL                  MEAN NUMBER OF
 LST                   DEVIATION      OBS                   [illegible]7   [illegible]7
..........................................................................
00-02     [illegible]  [illegible]   10967                  1221     2117

03-05     [illegible]  [illegible]   [illegible]            [illegible]  [illegible]

06-08     [illegible]  [illegible]   [illegible]            [illegible]  [illegible]

09-11     [illegible]  [illegible]   [illegible]            [illegible]  [illegible]

12-14     [illegible]  [illegible]   [illegible]            [illegible]  [illegible]

15-17     [illegible]  [illegible]   [illegible]            [illegible]  [illegible]

18-20     [illegible]  [illegible]   [illegible]            [illegible]  [illegible]

21-23     [illegible]  [illegible]   [illegible]            [illegible]  [illegible]

 ALL
HOURS     [illegible]  [illegible]   [illegible]            [illegible]  [illegible]
..........................................................................
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DEW POINT TEMPERATURE SUMMARY
FROM HOURLY OBSERVATIONS

: UPPER HEYFORD RAF UK — PERIOD OF RECORD: JUL 7[illegible] - JUN 8[illegible]
- 2 — MONTH: ALL

MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F LE 27	GE 37	LE 55	GE 65	TOTAL HOURS
1231	7117	10490	2	10957
1230	7006	10553	0	10959
1205	7[illegible]	10446	[illegible]	10959
[illegible]	7[illegible]1	10233	[illegible]	10959
[illegible]34	7303	10170	7	10953
[illegible]	7774	10256	[illegible]	10957
1044	7[illegible]4	10276	[illegible]	10959
113[illegible]	7342	10367	[illegible]	10959
8[illegible]	53521	82751	34	87659

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

STATION NUMBER: 3[illegible]3 STATION NAME: UPPER HEYFORD RAF UK
LST TO UTC: - 0

HOURS LST	RELATIVE HUMIDITY GREATER THAN OR EQUAL TO 10%	20%	30%	40%	50%	60%	70%	80%	90%
00-02	100.0	100.0	100.0	100.0	100.0	97.0	[illegible]	[illegible]	[illegible]
03-05	[illegible]	[illegible]	100.0	100.0	99.[illegible]	95.5	[illegible]	[illegible]	[illegible]
06-[illegible]	100.0	100.0	100.0	100.0	99.7	97.7	[illegible]	[illegible]	[illegible]
09-11	100.0	100.0	100.0	100.0	100.0	96.[illegible]	[illegible]	[illegible]	[illegible]
12-14	100.0	100.0	100.0	100.0	99.0	91.4	[illegible]	[illegible]	[illegible]
15-17	[illegible]	100.0	100.0	100.0	99.2	91.5	76.1	[illegible]	[illegible]
18-20	[illegible]	100.0	100.0	100.0	[illegible]	94.7	[illegible]	[illegible]	[illegible]
21-23	100.0	100.0	100.0	100.0	99.[illegible]	95.5	[illegible]	[illegible]	[illegible]
ALL HOURS	[illegible]	[illegible]	100.0	100.0	99.7	[illegible]	[illegible]	[illegible]	[illegible]

[illegible]

00-02	[illegible]	100.0	100.0	100.0	[illegible]	95.5	81.3	[illegible]	[illegible]
03-05	100.0	100.0	100.0	[illegible]	[illegible]	97.2	[illegible]	[illegible]	[illegible]
06-08	100.0	100.0	100.0	100.0	99.[illegible]	[illegible]	82.0	[illegible]	[illegible]
09-11	100.0	100.0	100.0	100.0	99.5	96.2	76.8	[illegible]	[illegible]
12-14	100.0	100.0	100.0	99.5	95.7	[illegible]	[illegible]	[illegible]	[illegible]
15-17	100.0	100.0	100.0	99.5	96.5	81.6	54.3	[illegible]	3.1
18-20	100.0	100.0	100.0	100.0	99.3	91.9	[illegible]	32.2	[illegible]
21-23	100.0	100.0	100.0	100.0	99.5	95.[illegible]	76.7	[illegible]	[illegible]
ALL HOURS	100.0	100.0	100.0	99.9	98.5	92.6	72.4	36.9	[illegible]

FREQUENCY OF OCCURRENCE OF RELATIVE HUMIDITY
HOURLY OBSERVATIONS

RAF JK PERIOD OF RECORD: JUL 73 - JUN 88
MONTH: JAN

THAN OR EQUAL TO

	20%	40%	80%	MEAN	TOTAL OBS
	75.1	54.1	15.5	79.7	929
	65.9	59.1	14.1	80.0	930
	65.2	57.5	12.9	80.3	930
	64.5	54.6	14.4	79.5	930
	72.9	45.7	11.7	77.1	930
	75.1	45.4	10.3	76.5	930
	81.0	51.4	11.7	79.2	930
	74.1	53.5	13.1	79.1	930
	72.5	52.5	13.0	79.1	7439

MONTH: FEB

	71.3	42.5	5.3	77.1	849
	71.9	43.5	5.3	77.3	849
	82.9	43.5	9.3	77.7	849
	76.3	40.6	7.5	76.3	849
	73.4	27.5	3.5	71.3	848
	54.3	25.7	3.1	70.1	849
	57.5	32.2	5.1	73.9	849
	76.7	35.3	6.1	76.0	849
	72.4	36.9	5.9	76.0	6791

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

STATION NUMBER: 2[illegible]3 STATION NAME: UPPER [illegible] AFB [illegible]
LST TO UTC: - 0

HOURS LST	RELATIVE HUMIDITY GREATER THAN OR EQUAL TO 10%	20%	30%	40%	50%	60%	70%	[illegible]	[illegible]
00-02	100.0	100.0	100.0	100.0	99.0	95.1	7[illegible].5	33.0	11.[illegible]
03-05	100.0	100.0	100.0	100.0	99.9	97.6	93.1	57.1	12.[illegible]
06-[illegible]	100.0	100.0	100.0	100.0	100.0	98.[illegible]	94.[illegible]	61.[illegible]	1[illegible].4
09-11	100.0	100.0	100.0	100.0	99.4	92.7	7[illegible].[illegible]	45.7	1[illegible]
12-14	100.0	100.0	100.0	99.6	93.7	75.5	49.[illegible]	27.1	[illegible]
15-17	100.0	100.0	100.0	97.7	87.4	71.1	4[illegible].4	[illegible]	[illegible].1
18-20	100.0	100.0	100.0	99.2	95.0	8[illegible].2	62.0	37.3	[illegible]
21-23	100.0	100.0	100.0	99.[illegible]	97.0	82.5	72.[illegible]	[illegible].4	[illegible]
ALL HOURS	100.0	100.0	100.0	99.5	97.1	8[illegible].2	6[illegible]	[illegible]	[illegible]

[illegible]

00-02	100.0	100.0	100.0	100.0	100.0	9[illegible].3	77.3	[illegible]	13.[illegible]
03-05	100.0	100.0	100.0	100.0	100.0	[illegible]	[illegible].2	[illegible].7	1[illegible]
06-08	100.0	100.0	100.0	100.0	100.0	97.6	92.3	82.2	14.[illegible]
09-11	100.0	100.0	100.0	99.4	95.0	77.1	52.7	[illegible]	[illegible]
12-14	100.0	100.0	99.8	96.0	81.3	52.6	31.1	14.1	[illegible]
15-17	100.0	100.0	99.8	95.1	75.3	45.9	30.[illegible]	12.[illegible]	[illegible]
18-20	100.0	100.0	100.0	98.6	90.0	67.2	43.6	23.2	[illegible]
21-23	100.0	100.0	100.0	100.0	98.9	97.3	6[illegible].4	[illegible]	[illegible]
ALL HOURS	100.0	100.0	99.9	98.9	92.6	73.4	59.6	33.[illegible]	[illegible]

LATIVE PERCENTAGE FREQUENCY OF OCCURRENCE OF RELATIVE HUMIDITY
FROM HOURLY OBSERVATIONS

UPPER HEYFORD RAF UK — PERIOD OF RECORD: JUL 73 - JUN 83
MONTH: MAR

HUMIDITY GREATER THAN OR EQUAL TO 50%	60%	70%	80%	90%	MEAN	TOTAL OBS
99.0	95.1	76.9	53.0	11.6	73.2	930
99.9	97.3	83.1	57.1	12.9	79.4	930
100.0	99.4	84.9	51.5	15.4	80.5	930
99.4	92.7	72.9	45.7	10.9	76.1	930
93.7	75.6	49.2	27.1	4.9	69.0	930
89.4	71.1	43.6	25.0	4.1	67.9	930
95.3	83.2	52.6	37.3	7.7	72.9	930
99.5	92.5	72.0	48.4	9.9	75.6	930
97.1	84.2	63.0	44.9	9.7	75.6	7440

MONTH: APR

100.0	96.3	77.3	44.6	13.0	77.9	900
100.0	96.6	84.2	45.7	16.6	79.9	900
100.0	97.6	82.3	53.2	14.4	77.0	900
95.6	77.1	52.7	25.6	5.3	69.8	900
81.3	52.6	31.1	14.1	2.8	62.2	900
75.3	46.9	30.0	12.0	2.0	60.7	900
90.0	63.2	49.6	23.2	6.0	67.7	900
98.9	87.3	69.4	35.9	9.0	74.1	900
92.6	78.4	59.6	33.8	8.6	74.1	7200

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

STATION NUMBER: 3653 STATION NAME: UPPER HEYFORD RAF UK PERIOD
LST TO UTC: - 0 MONTH:

HOURS LST	RELATIVE HUMIDITY GREATER THAN OR EQUAL TO 10%	20%	30%	40%	50%	60%	70%	80%	90%
00-02	100.0	100.0	100.0	100.0	99.4	96.3	87.7	65.4	21.[illegible]
03-05	100.0	100.0	100.0	100.0	99.4	97.5	92.[illegible]	75.5	25.
06-08	100.0	100.0	100.0	100.0	99.7	96.5	87.[illegible]	64.5	1[illegible]
09-11	1[illegible]	100.0	100.0	95.7	92.9	77.5	[illegible]	[illegible]	7.
12-14	100.0	100.0	99.4	94.8	81.5	59.1	34.7	13.7	4.
15-17	100.0	100.0	99.5	91.5	77.2	54.6	34.2	1[illegible]	4.
18-20	100.0	100.0	99.[illegible]	97.8	89.4	71.7	43.4	26.7	[illegible]
21-23	100.0	100.[illegible]	100.0	99.9	94.5	91.5	77.0	49.1	1[illegible]
ALL HOURS	100.0	100.0	99.9	97.9	92.3	[illegible]	64.7	47.5	1[illegible]

MONTH:

00-02	100.0	100.0	100.0	100.0	100.0	99.7	95.9	72.2	24.
03-05	100.0	100.0	100.0	100.0	100.0	100.0	[illegible]	[illegible]	3[illegible]
06-08	100.0	100.[illegible]	100.0	100.0	99.[illegible]	96.0	91.1	55.9	21.
09-11	100.0	100.0	100.0	99.6	97.9	95.2	5[illegible]	[illegible]	[illegible]
12-14	100.0	100.0	99.4	93.1	91.9	64.3	24.4	1[illegible]	[illegible]
15-17	100.0	100.0	100.0	99.4	93.5	[illegible]	35.5	1[illegible].1	[illegible]
18-20	100.0	100.0	100.0	99.9	97.0	79.5	51.[illegible]	23.9	6.
21-23	100.0	100.0	100.0	100.0	100.0	96.4	[illegible]	54.[illegible]	17.
ALL HOURS	100.0	100.0	100.0	99.9	96.9	85.3	69.5	44.5	15.

TIVE PERCENTAGE FREQUENCY OF OCCURRENCE OF RELATIVE HUMIDITY
FROM HOURLY OBSERVATIONS

PPER HEYFORD RAF UK PERIOD OF RECORD: JUL 74 - JUN 83
MONTH: MAY

ITY GREATER THAN OR EQUAL TO 50%	60%	70%	80%	90%	MEAN	TOTAL OBS
99.4	96.3	87.7	65.4	21.5	81.4	930
98.9	97.6	92.9	75.6	25.5	83.4	930
99.7	96.5	87.0	64.0	13.7	80.9	930
92.9	77.5	58.3	27.9	7.2	70.4	930
81.5	53.1	34.7	13.7	4.0	63.7	930
77.2	54.4	34.3	18.8	4.2	62.6	930
74.4	71.7	43.9	26.7	5.0	58.6	930
94.5	91.3	77.0	49.1	12.5	77.1	930
92.3	80.4	54.7	43.5	12.4	77.1	7440

MONTH: JUN

100.0	99.7	95.9	72.2	24.0	84.0	900
100.0	100.0	99.6	82.3	34.9	85.5	900
99.4	99.0	91.1	55.9	21.6	82.6	900
97.9	85.2	56.3	29.9	6.7	72.4	900
91.9	64.3	34.4	15.4	2.0	65.6	900
93.5	66.5	33.5	15.1	2.4	64.7	900
97.0	79.6	51.6	23.9	3.3	70.3	900
100.0	96.4	84.7	54.6	10.2	79.3	900
96.9	85.3	68.6	44.9	13.1	79.3	7200

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

STATION NUMBER: 3[illegible] STATION NAME: UPPER HOYERSO AFB [illegible] PERIOD [illegible]
LST TO UTC: - 0 MONTH: J[illegible]

HOURS LST	10%	20%	30%	40%	50%	60%	70%	80%	90%
	RELATIVE HUMIDITY GREATER THAN OR EQUAL TO								
00-02	100.0	100.0	100.0	100.0	99.7	98.6	90.3	68.0	1[illegible].1
03-05	100.0	100.0	100.0	100.0	100.0	97.6	97.2	79.2	27.1
06-08	100.0	100.0	100.0	100.0	97.9	87.6	[illegible]	[illegible]	17.4
09-11	100.0	100.0	100.0	99.2	94.6	76.0	44.3	20.4	3.7
12-14	100.0	100.0	99.4	96.0	83.3	62.6	23.6	9.7	[illegible]
15-17	100.0	100.0	99.4	94.3	75.0	44.2	23.6	[illegible].5	1.
18-20	100.0	100.0	99.6	97.5	84.2	56.5	36.4	14.[illegible]	[illegible]
21-23	100.0	100.0	100.0	100.0	99.0	93.2	73.6	42.[illegible]	[illegible]
ALL HOURS	100.	100.0	99.7	99.4	92.6	7[illegible]	[illegible]	27.[illegible]	[illegible]

[illegible]

00-02	100.0	100.0	100.0	100.0	100.0	94.4	78.2	61.2	1[illegible].4
03-05	100.0	100.0	100.0	100.0	100.0	99.6	96.6	76.3	1[illegible]
06-08	100.0	100.0	100.0	100.0	100.0	94.4	94.2	59.1	1[illegible]
09-11	100.0	100.0	100.0	100.0	97.4	7[illegible].0	40.9	21.3	4.[illegible]
12-14	100.0	100.0	100.0	98.7	83.5	42.9	23.[illegible]	1[illegible].[illegible]	1.[illegible]
15-17	100.0	100.0	100.0	97.8	80.5	47.5	23.6	10.6	1.7
18-20	100.0	100.0	100.0	99.8	91.9	66.0	39.4	16.[illegible]	[illegible]
21-23	100.0	100.0	100.0	100.0	99.7	93.7	73.7	27.[illegible]	[illegible]
ALL HOURS	100.0	100.0	100.0	99.5	94.1	79.3	61.3	37.3	7.[illegible]

PERCENTAGE FREQUENCY OF OCCURRENCE OF RELATIVE HUMIDITY
FROM HOURLY OBSERVATIONS

[illegible] RAF UK PERIOD OF RECORD: JUL 73 - JUN 88
MONTH: JUL

LESS THAN OR EQUAL TO 50%	70%	80%	90%	MEAN	TOTAL OBS
[illegible]	90.8	63.0	18.1	82.0	930
99.5	97.2	78.2	27.1	85.2	930
97.3	[illegible]	60.5	17.4	81.5	930
75.3	44.3	20.4	3.7	69.0	930
[illegible]	23.5	9.7	.3	61.2	930
99.2	23.3	2.5	1.5	59.0	930
[illegible]	35.4	15.0	2.3	65.5	930
93.2	73.4	42.6	3.4	75.8	930
[illegible]	59.3	37.6	9.5	75.3	7440

MONTH: AUG

[illegible]	93.2	61.2	12.4	81.3	930
[illegible]	95.3	76.3	13.4	84.0	930
94.4	94.2	59.1	15.2	82.9	930
[illegible]	49.9	21.3	4.7	70.2	930
49.3	23.8	10.0	1.3	61.7	930
47.5	23.5	10.6	1.7	61.0	930
[illegible]	39.9	16.5	2.0	66.8	930
93.7	73.7	37.8	5.7	76.1	930
79.3	61.9	37.9	7.8	76.1	7440

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURR
FROM HOURLY OBSERVATIONS

STATION NUMBER: 3[illegible] STATION NAME: UPPER HOYERS[illegible] AF[illegible]
LST TO UTC: - 6

HOURS LST	RELATIVE HUMIDITY GREATER THAN OR EQUAL TO 10%	20%	30%	40%	50%	60%	70%	[illegible]	[illegible]
00-02	100.0	100.0	100.0	100.0	100.0	99.7	94.7	83.1	1[illegible]
03-05	100.0	100.0	100.0	100.0	100.0	99.8	97.2	74.3	1[illegible]
06-08	100.0	100.0	100.0	100.0	100.0	99.5	[illegible]	71.5	1[illegible]
09-11	100.0	100.0	100.0	100.0	98.6	85.5	63.1	24.7	[illegible]
12-14	100.0	100.0	100.0	99.7	89.3	66.1	29.0	11.1	1
15-17	100.0	100.0	99.9	98.7	85.5	52.4	27.3	[illegible]	[illegible]
18-20	100.0	100.0	100.0	99.8	97.3	82.1	[illegible]	[illegible]	[illegible]
21-23	100.0	100.0	100.0	100.0	99.[illegible]	97.2	84.1	45.[illegible]	[illegible]
ALL HOURS	100.0	100.0	100.0	99.9	95.4	84.[illegible]	57.[illegible]	[illegible]	[illegible]

[illegible]

00-02	100.0	100.0	100.0	100.0	100.0	99.5	91.7	59.[illegible]	1[illegible]
03-05	100.0	100.0	100.0	100.0	100.0	99.9	93.4	67.8	21[illegible]
06-08	100.0	100.0	100.0	100.0	100.0	99.9	83.7	72.[illegible]	[illegible]
09-11	100.0	100.0	100.0	100.0	99.9	95.5	79.[illegible]	4[illegible].5	1[illegible]
12-14	100.0	100.0	100.0	99.9	98.3	91.7	82.[illegible]	34.4	[illegible]
15-17	100.0	100.0	100.0	99.5	97.7	79.9	63.9	23.1	[illegible]
18-20	100.0	100.0	100.0	100.0	99.6	93.5	75.3	42.6	
21-23	100.0	100.0	100.0	100.[illegible]	100.0	98.9	87.4	[illegible]	1[illegible]
ALL HOURS	100.0	100.0	100.0	100.0	99.4	93.6	78.5	50.4	1

IVE PERCENTAGE FREQUENCY OF OCCURRENCE OF RELATIVE HUMIDITY
FROM HOURLY OBSERVATIONS

APPLE HEYFORD RAF UK PERIOD OF RECORD: JUL 78 - JUN 88
MONTH: SEP

ITY GREATER THAN OR EQUAL TO 100%	90%	80%	60%	40%	MEAN	TOTAL OBS
100.0	99.7	94.7	63.1	13.2	81.8	899
100.0	99.8	97.2	74.3	19.6	84.0	900
100.0	99.5	95.8	71.5	15.9	83.7	900
49.6	85.5	68.1	27.7	4.2	72.9	900
69.3	66.0	29.0	11.1	1.0	63.7	900
75.6	62.4	27.3	9.9	2.4	62.6	900
87.3	72.1	44.7	20.5	3.7	70.5	900
99.0	97.2	84.1	45.8	5.3	77.9	900
95.4	84.0	67.9	40.5	8.7	77.9	7199

MONTH: OCT

100.0	99.6	91.7	66.3	18.3	82.2	930
100.0	99.9	93.4	67.3	21.2	83.1	930
100.0	99.9	93.7	72.8	20.6	83.5	930
99.9	95.5	79.5	45.6	12.2	78.4	930
49.3	81.7	52.9	24.4	4.9	70.8	930
97.7	79.9	53.9	23.1	5.1	70.5	930
99.5	93.5	75.3	42.6	3.3	76.3	930
100.0	98.9	87.4	53.2	14.6	80.2	930
99.4	93.6	78.5	50.4	13.1	80.2	7440

OPERATING LOCATION MAP
USAFETAC, ASH VILLE NC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBS VATIONS

STATION NUMBER: [illegible] STATION NAME: UPPER HEYFORD [illegible] UK
LST TO UTC: - 0

HOURS LST	10%	20%	30%	40%	50%	60%	70%	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	100.0	100.0	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	100.0	100.0	100.0	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	100.0	100.0	100.0	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	100.0	100.0	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
12-14	[illegible]	[illegible]	100.0	100.0	[illegible]	[illegible]	72.7	[illegible]	[illegible]
15-17	[illegible]	[illegible]	[illegible]	100.0	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	100.0	100.0	100.0	[illegible]	[illegible]	[illegible]	[illegible]
21-23	[illegible]	[illegible]	[illegible]	100.0	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
ALL HOURS	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

[illegible]

[illegible]	[illegible]	[illegible]	100.0	100.0	100.0	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	100.0	100.0	100.0	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	100.0	100.0	100.0	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	100.0	100.0	100.0	[illegible]	[illegible]	[illegible]	[illegible]
12-14	[illegible]	[illegible]	100.0	100.0	99.7	[illegible]	[illegible]	[illegible]	[illegible]
15-17	100.0	100.0	100.0	100.0	99.9	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	100.0	100.0	100.0	100.0	100.0	[illegible]	[illegible]	[illegible]	[illegible]
21-23	100.0	100.0	100.0	100.0	100.0	[illegible]	[illegible]	[illegible]	[illegible]
ALL HOURS	100.0	100.0	100.0	100.0	99.9	[illegible]	[illegible]	61.0	[illegible]

PERCENTAGE FREQUENCY OF OCCURRENCE OF RELATIVE HUMIDITY
FROM HOURLY OBSERVATIONS

HEYFORD GAF UK — PERIOD OF RECORD: JUL 73 - JUN 83

MONTH: NOV

% GREATER THAN OR EQUAL TO						
[illegible]	60%	70%	80%	90%	MEAN	TOTAL OBS
[illegible]	99.2	91.1	59.7	13.1	81.0	900
[illegible]	99.4	90.7	62.4	13.3	81.4	900
[illegible]	99.2	89.5	64.1	10.9	81.7	900
[illegible]	99.0	85.1	57.3	16.1	80.0	900
[illegible]	92.3	72.7	40.2	10.3	75.9	900
[illegible]	94.5	76.1	40.4	8.9	76.3	900
[illegible]	97.[illegible]	84.9	53.0	13.7	77.0	900
[illegible]	94.[illegible]	87.4	57.4	16.7	80.1	900
[illegible]	97.4	84.7	54.0	15.3	80.1	7200

MONTH: DEC

[illegible]	99.2	89.5	65.9	20.4	81.9	930
[illegible]	99.0	89.[illegible]	64.0	21.4	81.9	930
[illegible]	98.2	90.7	64.1	21.1	81.7	930
[illegible]	[illegible].7	90.3	61.5	18.4	81.3	930
[illegible].7	97.1	84.2	51.9	11.5	79.9	930
[illegible].9	97.4	84.5	54.9	12.4	79.3	930
[illegible].0	98.4	87.3	62.5	19.4	81.2	930
[illegible]	98.3	88.9	63.3	19.6	81.4	930
[illegible].9	94.3	88.1	61.0	17.9	81.4	7440

OPERATING LOCATION MAP
USAFFTAC, ASH VILLE NC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

STATION NUMBER: 36453 STATION NAME: UPPER HEYFORD RAF UK
LST TO UTC: - 0

HOURS LST	10%	20%	30%	40%	50%	60%	70%	80%	[illegible]
00-02	[illegible]	[illegible]	100.0	100.0	99.5	[illegible]	[illegible]	[illegible]	[illegible]
03-05	[illegible]	[illegible]	100.0	100.0	99.9	[illegible]	[illegible]	[illegible]	[illegible]
06-08	[illegible]	[illegible]	100.0	100.0	99.9	[illegible]	[illegible]	[illegible]	[illegible]
09-11	[illegible]	[illegible]	100.0	99.7	97.9	[illegible]	67.3	[illegible]	
12-14	[illegible]	[illegible]	99.9	99.3	91.5	71.3	[illegible]	[illegible]	[illegible]
15-17	[illegible]	[illegible]	99.9	97.8	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
18-20	[illegible]	[illegible]	99.8	99.4	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
21-23	[illegible]	[illegible]	100.0	100.0	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
ALL HOURS	[illegible]	[illegible]	100.0	99.9	96.5	87.7	71.	[illegible]	[illegible]

ULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE OF RELATIVE HUMIDITY
FROM HOURLY OBSERVATIONS

: UPPER HEYFORD RAF UK PERIOD OF RECORD: JUL 7[illegible] - JUN 8[illegible]
- [illegible] MONTH: ALL

HUMIDITY GREATER THAN OR EQUAL TO

[illegible]	50%	60%	70	80%	90%	MEAN	TOTAL OBS
[illegible]	[illegible]	[illegible]	[illegible].2	[illegible]	1[illegible]	[illegible].7	10957
[illegible]	[illegible]	[illegible].7	[illegible]1.1	[illegible]	1[illegible]	[illegible]2.2	10959
[illegible]	[illegible]	[illegible].4	[illegible]	[illegible]2.4	17.2	[illegible]1.3	10959
[illegible]	[illegible]7.[illegible]	[illegible].4	[illegible]7.2	[illegible].7	[illegible].3	7[illegible].7	10959
[illegible]	[illegible]1.[illegible]	71.3	[illegible]7.[illegible]	2[illegible].	[illegible]	[illegible]3.4	10[illegible]
[illegible]	[illegible].	5[illegible]	[illegible]	[illegible]6.4	[illegible]	[illegible]7.5	10[illegible]
[illegible]	[illegible].7	[illegible]	1.[illegible]	[illegible]	7.6	7[illegible]	10[illegible]
[illegible]	[illegible]	[illegible]6.[illegible]	7[illegible]	[illegible].7	11.0	77.[illegible]	10[illegible]
[illegible]	[illegible]	[illegible]7.7	71.[illegible]	66.[illegible]	11.4	75.7	[illegible]76[illegible]

PART F

PRESSURE SUMMARIES

ALL PRESSURE DATA IN PART F IS TAKEN FROM HOURLY OBSERVATI

- BY EIGHT 3-HOUR STANDARD SYNOPTIC REPORTING TIME P-I (ALL YEARS COMBINED).

- BY MONTH (ALL YEARS AND ALL HOURS COMBINED).

- BY YEAR (ALL YEARS AND ALL HOURS COMBINED).

SEA LEVEL PRESSURE.
IN MILLIBARS, TABLES GIVE MEANS, STANDARD DEVIATIONS, A COUNTS. THIS SUMMARY IS NOT AVAILABLE FOR METAR

ALTIMETER SETTING.
IN INCHES OF MERCURY (HG), TABLES GIVE MEANS, STANDA TOTAL OBSERVATION COUNTS.

STATION PRESSURE.
IN INCHES OF MERCURY (HG), TABLES GIVE MEANS, STANDA TOTAL OBSERVATION COUNTS.

PRESSURE CONVERSIONS ARE: 1 MILLIBAR = 0.02953 INCHES

PART F

PRESSURE SUMMARIES

IN PART F IS TAKEN FROM HOURLY OBSERVATIONS. IT IS SUMMARIZED:

UP STANDARD SYNOPTIC REPORTING TIME PERIODS FOR EACH MONTH
MBINED).

L YEARS AND ALL HOURS COMBINED).

YEARS AND ALL HOURS COMBINED).

.

BLES GIVE MEANS, STANDARD DEVIATIONS, AND TOTAL OBSERVATION
MMARY IS NOT AVAILABLE FOR METAR REPORTING SITES.

.

CURY (HG), TABLES GIVE MEANS, STANDARD DEVIATIONS, AND
N COUNTS.

CURY (HG), TABLES GIVE MEANS, STANDARD DEVIATIONS AND
N COUNTS.

E ARE: 1 MILLIBAR = 0.02953 INCHES OF MERCURY (HG).

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

ALTIMETER SETTING IN INCHES
FROM HOURLY NAS OBSERVATIONS

STATION NUMBER: 36563 STATION NAME: UPPER HEYFORD RAF UK PERIOD
LST TO UTC: - 0

HOURS (LST)	STATS	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG
0000	MEAN	29.94	30.03	29.87	30.00	29.93	30.02	30.05	30.[illegible]
	SD	.409	.365	.373	.312	.255	.204	.143	.1[illegible]
	TOT OBS	310	282	310	300	310	300	310	31[illegible]
0300	MEAN	29.93	30.02	29.85	29.98	29.91	30.00	30.04	29.[illegible]
	SD	.408	.364	.375	.311	.257	.211	.139	.1[illegible]
	TOT OBS	310	283	310	300	310	300	310	31[illegible]
0600	MEAN	29.97	30.02	29.84	29.99	29.92	30.01	30.04	30.[illegible]
	SD	.411	.363	.381	.312	.260	.213	.133	.1[illegible]
	TOT OBS	310	283	310	300	310	300	310	31[illegible]
0900	MEAN	29.94	30.04	29.86	30.00	29.93	30.02	30.05	30.[illegible]
	SD	.412	.360	.387	.314	.262	.213	.133	.1[illegible]
	TOT OBS	310	283	310	300	310	300	310	31[illegible]
1200	MEAN	29.93	30.04	29.86	29.99	29.92	30.02	30.04	30.[illegible]
	SD	.414	.360	.385	.313	.252	.211	.139	.1[illegible]
	TOT OBS	310	283	310	300	310	300	310	31[illegible]
1500	MEAN	29.92	30.02	29.85	29.98	29.91	30.01	30.03	30.[illegible]
	SD	.415	.357	.375	.310	.257	.215	.135	.1[illegible]
	TOT OBS	310	283	310	300	310	300	310	31[illegible]
1800	MEAN	29.93	30.02	29.86	29.98	29.91	30.00	30.02	30.[illegible]
	SD	.407	.358	.371	.308	.253	.204	.134	.1[illegible]
	TOT OBS	310	283	310	300	310	300	310	31[illegible]
2100	MEAN	29.94	30.03	29.87	30.00	29.93	30.02	30.04	30.[illegible]
	SD	.409	.362	.371	.311	.253	.206	.134	.1[illegible]
	TOT OBS	310	283	310	300	310	300	310	31[illegible]
ALL HOURS	MEAN	29.93	30.03	29.86	29.99	29.92	30.01	30.04	30.[illegible]
	SD	.409	.361	.377	.312	.257	.209	.136	.1[illegible]
	TOT OBS	2439	2258	2480	2400	2430	2400	2480	24[illegible]

ALTIMETER SETTING IN INCHES
FROM HOURLY OBSERVATIONS

OXFORD RAF UK PERIOD OF RECORD: JUL 78 - JUN 88

MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
29.93	30.02	30.05	30.02	30.02	29.95	29.98	29.87	29.97
.255	.209	.193	.195	.264	.356	.355	.437	.325
310	300	310	310	300	310	300	310	3652
29.91	30.00	30.04	30.00	30.00	29.93	29.97	29.86	29.96
.257	.211	.199	.200	.267	.358	.352	.431	.326
310	300	310	310	300	310	300	310	3653
29.92	30.01	30.04	30.01	30.00	29.93	29.97	29.85	29.96
.260	.213	.203	.205	.269	.356	.350	.429	.328
310	300	310	310	300	310	300	310	3653
29.93	30.02	30.05	30.02	30.01	29.95	29.99	29.87	29.97
.262	.213	.203	.205	.272	.353	.351	.430	.329
310	300	310	310	300	310	300	310	3653
29.92	30.02	30.04	30.02	30.02	29.95	29.98	29.87	29.97
.260	.211	.199	.201	.266	.350	.352	.429	.327
310	300	310	310	300	310	300	310	3653
29.91	30.01	30.03	30.00	30.00	29.93	29.97	29.85	29.95
.257	.206	.193	.192	.257	.345	.353	.426	.323
310	300	310	310	300	310	300	310	3653
29.91	30.00	30.02	30.00	30.00	29.94	29.93	29.86	29.96
.253	.204	.188	.187	.255	.343	.354	.430	.321
310	300	310	310	300	310	300	310	3653
29.93	30.02	30.04	30.02	30.02	29.95	29.93	29.86	29.97
.253	.206	.189	.188	.259	.353	.353	.436	.324
310	300	310	310	300	310	300	310	3653
29.92	30.01	30.04	30.01	30.01	29.94	29.98	29.86	29.96
.257	.209	.195	.197	.264	.352	.353	.431	.326
2430	2430	2430	2430	2400	2430	2400	2430	29223

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

STATION PRESSURE IN INCHES
FROM HOURLY OBSERVATIONS

STATION NUMBER: 36353 STATION NAME: UPPER HEYFORD RAF UK PERIOD
LST TO UTC: - 0

HOURS (LST)	STATS	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG
0000	MEAN	29.45	29.55	29.39	29.52	29.45	29.54	29.57	29.[illegible]
	SD	.395	.361	.368	.309	.252	.237	.191	.19
	TOT OBS	310	282	310	300	310	300	310	31[illegible]
0300	MEAN	29.45	29.54	29.37	29.51	29.43	29.53	29.56	29.[illegible]
	SD	.397	.360	.372	.307	.254	.239	.196	.19
	TOT OBS	310	283	310	300	310	300	310	31
0600	MEAN	29.44	29.54	29.37	29.51	29.44	29.53	29.56	29.[illegible]
	SD	.396	.359	.376	.303	.257	.211	.201	.2
	TOT OBS	310	283	310	300	310	300	310	31
0900	MEAN	29.45	29.55	29.38	29.52	29.45	29.54	29.57	29.[illegible]
	SD	.397	.356	.382	.311	.258	.211	.2[illegible]	.2
	TOT OBS	310	283	310	300	310	300	310	31
1200	MEAN	29.45	29.55	29.38	29.52	29.44	29.54	29.55	29.[illegible]
	SD	.394	.355	.370	.309	.257	.209	.192	.19
	TOT OBS	310	283	310	300	310	300	31	31
1500	MEAN	29.44	29.54	29.37	29.50	29.43	29.53	29.55	29.[illegible]
	SD	.395	.353	.370	.306	.258	.203	.191	.19
	TOT OBS	310	283	310	300	310	300	310	31
1800	MEAN	29.45	29.55	29.38	29.53	29.45	29.52	29.55	29.[illegible]
	SD	.400	.363	.365	.304	.253	.201	.195	.1
	TOT OBS	310	283	310	300	310	300	310	31
2100	MEAN	29.45	29.55	29.40	29.52	29.45	29.54	29.57	29.[illegible]
	SD	.401	.355	.364	.305	.253	.204	.197	.19
	TOT OBS	310	283	310	300	310	300	310	31
ALL HOURS	MEAN	29.45	29.55	29.38	29.51	29.44	29.53	29.56	29.[illegible]
	SD	.403	.357	.373	.306	.254	.207	.194	.19
	TOT OBS	2480	2263	2480	2400	2480	2400	2480	24[illegible]

STATION PRESSURE IN INCHES
FROM HOURLY OBSERVATIONS

[illegible] HEYFORD RAF UK PERIOD OF RECORD: JUL 73 - JUN 83

[illegible]	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
[illegible]	29.48	29.54	29.57	29.54	29.54	29.47	29.50	29.39	29.49
[illegible]	.252	.207	.191	.193	.262	.352	.351	.431	.321
[illegible]	310	300	310	310	300	310	300	310	3652
[illegible]	29.43	29.53	29.56	29.53	29.53	29.45	29.49	29.38	29.48
[illegible]	.254	.209	.196	.192	.264	.353	.345	.426	.322
[illegible]	310	300	310	310	300	310	300	310	3653
[illegible]	29.44	29.53	29.56	29.53	29.52	29.45	29.49	29.38	29.48
[illegible]	.257	.211	.201	.203	.265	.349	.345	.424	.324
[illegible]	310	300	310	310	300	310	300	310	3653
[illegible]	29.48	29.54	29.57	29.54	29.54	29.47	29.51	29.39	29.49
[illegible]	.259	.211	.202	.203	.269	.349	.345	.424	.325
[illegible]	310	300	310	310	300	310	300	310	3653
[illegible]	29.44	29.54	29.56	29.54	29.54	29.47	29.50	29.39	29.49
[illegible]	.257	.209	.193	.199	.263	.345	.345	.423	.323
[illegible]	310	300	310	310	300	310	300	310	3653
[illegible]	29.43	29.53	29.55	29.53	29.52	29.45	29.49	29.37	29.48
[illegible]	.253	.203	.191	.191	.254	.341	.349	.421	.319
[illegible]	310	300	310	310	300	310	300	310	3653
[illegible]	29.43	29.52	29.55	29.52	29.53	29.46	29.50	29.35	29.48
[illegible]	.250	.201	.196	.185	.252	.344	.350	.425	.317
[illegible]	310	300	310	310	300	310	300	310	3653
[illegible]	29.45	29.54	29.57	29.54	29.54	29.47	29.51	29.38	29.49
[illegible]	.253	.204	.197	.196	.257	.349	.354	.431	.320
[illegible]	310	300	310	310	300	310	300	310	3653
[illegible]	29.44	29.53	29.56	29.53	29.53	29.46	29.50	29.38	29.49
[illegible]	.254	.207	.194	.195	.261	.348	.349	.426	.322
[illegible]	2430	2400	2430	2430	2400	2480	2400	2480	29223

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AAAAA      RRRRRRRR      TTTTTTTTTT      GGGGGG
AAAAA      RRRRRRRRR     TTTTTTTTTT     GGGGGGGG
   AA      RR      RR        TT        GG      GG
   AA      RR      RR        TT        GG
   AA      RRRRRRRRR         TT        GG
AAAAAA     RRRRRRRR          TT        GG   GGGG
AAAAAA     RR    RR          TT        GG   GGGG
   AA      RR     RR         TT        GG      GG
   AA      RR      RR        TT         GGGGGGGG
   AA      RR       RR       TT          GGGGGG
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PART G

CROSSWIND SUMMARY

CROSSWIND SUMMARIES.

THESE TABLES ARE CREATED FROM HOURLY AND SPECIAL OBS
PEAK GUST REMARKS). THE TABLES ARE SUMMARIZED AS FOL

- BY EIGHT 3-HOUR STANDARD TIME PERIODS FOR EACH
- BY MONTH (ALL YEARS AND ALL HOURS COMBINED).
- BY MONTH (ALL YEARS AND THE HOURS 0900-2000 LST
- BY YEAR (ALL YEARS AND ALL HOURS COMBINED).
- BY YEAR (ALL YEARS AND THE HOURS 0900-2000 LST

THE TABLES GIVE PERCENT OCCURRENCE FREQUENCY (POF)
COMPONENT" FOR THE WIND SPEED CLASSES SPECIFIED IN T
THERE ARE TWO COMPONENT CATEGORIES:

THE FIRST COMPONENT IS COMPUTED FROM THE HIGHEST WI
FROM HOURLY RECORD OR RECORD-SPECIAL OBSERVATIONS.

THE SECOND COMPONENT IS COMPUTED FROM THE HIGHEST
SPEED AND DIRECTION FROM ALL OBSERVATIONS INCLUDING
AND SPECIAL OBSERVATIONS.

OBSERVATION COUNTS INCLUDE CALM WINDS.

VARIABLE WINDS ARE CONSIDERED A DIRECT CROSSWIND IN
FACTORS THE SPECIFIED THRESHOLD WIND SPEED VALUE(S).

A TOTAL OBSERVATION COUNT IS INCLUDED.

PART G

CROSSWIND SUMMARY

ES.
ARE CREATED FROM HOURLY AND SPECIAL OBSERVATIONS (INCLUDING
MARKS). THE TABLES ARE SUMMARIZED AS FOLLOWS:

3-HOUR STANDARD TIME PERIODS FOR EACH MONTH (ALL YEARS COMBINED).

(ALL YEARS AND ALL HOURS COMBINED).

(ALL YEARS AND THE HOURS 0600-2000 LST COMBINED).

(ALL YEARS AND ALL HOURS COMBINED).

(ALL YEARS AND THE HOURS 0600-2000 LST COMBINED).

PERCENT OCCURRENCE FREQUENCY (POF) OF THE "CROSS-RUNWAY WIND
THE WIND SPEED CLASSES SPECIFIED IN THE TABLE HEADINGS.
COMPONENT CATEGORIES:

WENT IS COMPUTED FROM THE REPORTED WIND DIRECTION AND WIND SPEED
AND OR RECORD-SPECIAL OBSERVATIONS.

MPONENT IS COMPUTED FROM THE HIGHEST REPORTED WIND
TION FROM ALL OBSERVATIONS INCLUDING REMARKS, GUSTS,
SERVATIONS.

NTS INCLUDE CALM WINDS.

ARE CONSIDERED A DIRECT CROSSWIND IF THE SPEED EQUALS OR
SPECIFIED THRESHOLD WIND SPEED VALUE(S).

ATION COUNT IS INCLUDED.

OPERATING LOCATION "A"
USAFTAC, ASHVILLE, NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CRITERIA
FROM HOURLY OBSERVATIONS

STATION NUMBER: 26653 STATION NAME: UPPER HEYFORD RAF UK
LST TO UTC: - 0

CATEGORY A: ANY CEILING OR VISIBILITY (HOURLY

CATEGORY B: HIGHEST WIND SPEED WITHIN [illegible]

TIME (LST) [illegible] - [illegible] [illegible] - [illegible]

SPEED (KTS)	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
CATEGORY A	[illegible]			[illegible]	4.4	.1		[illegible]	[illegible]
CATEGORY B	[illegible]	.2		[illegible]	7.2	.3		[illegible]	.1

TIME (LST) [illegible] - [illegible] [illegible] - [illegible]

SPEED (KTS)	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
CATEGORY A	[illegible]	.1		[illegible]	[illegible]			[illegible]	[illegible]
CATEGORY B	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

TIME (LST) [illegible] - [illegible]

SPEED KTS	[illegible]	[illegible]	[illegible]	[illegible]
CATEGORY A	[illegible]	[illegible]	[illegible]	[illegible]
CATEGORY B	[illegible]	[illegible]	[illegible]	[illegible]

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 [illegible]NCY OF OCCURRENCE OF CROSSWINDS
   FROM HOURLY OBSERVATIONS
                                          MAGNETIC RUNWAY HEADING: 085-265

 [illegible] AF [illegible]                              PERIOD OF RECORD:  JUL 7[illegible] - JUN 88
                                          MONTH: JAN
.........................................................................................

 % CEILING [illegible] VISIBILITY (HOURLY OBS ONLY)

 [illegible] WINDS REPORTED WITHIN THE HOUR (HOURLIES + SPECIALS)
.........................................................................................

        [illegible] - [illegible]                    [illegible] - [illegible]                       [illegible] - 1100

  [illegible]   [illegible]   [illegible]   [illegible]      0?15  0?2?  0?3?   [illegible]S      0?15  0?2?  0?35   035

 [illegible]    .[illegible]            [illegible]       .[illegible]                   [illegible]     3.[illegible]                [illegible]

 [illegible]    .[illegible]            [illegible]      [illegible].[illegible]    .1    .1   [illegible]    [illegible].[illegible]   .[illegible]            930

.........................................................................................

        1[illegible] - 1[illegible]                      1[illegible] - [illegible]                       2100 - 2300

  [illegible]   [illegible]   [illegible]   [illegible]      [illegible]   [illegible]   [illegible]   [illegible]      0?15  0?2?  0?35   035

 [illegible]                  [illegible]      [illegible].[illegible]                   [illegible]     [illegible].1                929

  .      .     .[illegible]  [illegible]      [illegible].[illegible]     .[illegible]           [illegible]     [illegible].                [illegible]

.........................................................................................
.........................................................................................

     - [illegible]                                [illegible]

  [illegible]          [illegible]                     [illegible]   [illegible]   [illegible]        [illegible]

  .              [illegible]                      [illegible].[illegible]      .[illegible]             74[illegible]

  .      .      .[illegible]                      .      .[illegible]     .[illegible]     7[illegible]
```

[illegible] LOCATED [illegible]
[illegible], [illegible]

PERCENTAGE FREQUENCY OF OCCURRENCE OF [illegible]
[illegible] ANY [illegible]

STATION [illegible]: [illegible] STATION NAME: [illegible]
LST TO UTC: - [illegible]

CATEGORY A: ANY CEILING OR VISIBILITY (CONDITIONAL [illegible]

CATEGORY B: HIGHEST WIND [illegible]

TIME (LST)	[illegible] - [illegible]				[illegible] - [illegible]			
[illegible] (KTS)	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
CATEGORY A	[illegible]		[illegible]		[illegible]		[illegible]	[illegible]
CATEGORY B	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]

TIME (LST)	[illegible] - [illegible]				[illegible] - [illegible]			
[illegible] (KTS)	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
CATEGORY A	[illegible]		[illegible]		[illegible]		[illegible]	[illegible]
CATEGORY B	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

TIME (LST)	[illegible] - [illegible]			
[illegible] (KTS)	[illegible]	[illegible]	[illegible]	[illegible]
CATEGORY A	[illegible]		[illegible]	[illegible]
CATEGORY B	[illegible]	[illegible]	[illegible]	[illegible]

FREQUENCY OF OCCURRENCE OF CROSSWINDS
FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY HEADING: 085-265

[illegible] HOVERSL RAF UK

PERIOD OF RECORD: JUL 79 - JUN 88
MONTH: FEB

CEIL AND VISIBILITY (HOURLY OBS ONLY)

HIGHEST WINDS REPORTED WITHIN THE HOUR (HOURLIES + SPECIALS)

0000 - 0300				0600 - 0900				0900 - 1100			
G15	G23	G35	35S	G15	G23	G35	35S	G15	G23	G35	35S
2.9			4.3	1.8			4.5	4.1			5.0
5.4	.1		4.3	5.6	.4		4.0	7.9	.7		5.0

1200 - 1700				1800 - 2300				2100 - 2600			
G15	G23	G35	35S	G15	G23	G35	35S	G15	G23	G35	35S
5.1			4.3	3.7			3.0	2.6			3.0
7.1	.4		4.4	7.1			4.3	5.9	.2		4.4

[illegible] - 2400				ALL HOURS			
G15	G23	G35	35S	G15	G23	G35	35S
		4.3	3	3.3			5.2
.5	.	4.4		5.7	.4	.	5.2

OPERATING LOCATION "A"
[illegible], [illegible]

PERCENTAGE FREQUENCY OF OCCURRENCE OF [illegible]
FROM [illegible] OBSERVATIONS

STATION [illegible]: [illegible] STATION NAME: UPPER HOYFORD [illegible]
LST TO UTC: - [illegible]

CATEGORY A: ANY CEILING OR VISIBILITY [illegible] ONLY

CATEGORY B: HIGHEST WIND [illegible] WITHIN [illegible]

TIME (LST)	[illegible] - [illegible]				[illegible] - [illegible]				
SPEED (KTS)	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
CATEGORY A	[illegible]			[illegible]	[illegible]			[illegible]	[illegible]
CATEGORY B	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

TIME (LST)	[illegible] - [illegible]				[illegible] - [illegible]				
SPEED (KTS)	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
CATEGORY A	[illegible]			[illegible]	[illegible]	[illegible]		[illegible]	[illegible]
CATEGORY B	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]		[illegible]	[illegible]

TIME (LST)	[illegible] - [illegible]				
SPEED (KTS)	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
CATEGORY A	[illegible]	[illegible]		[illegible]	[illegible]
CATEGORY B	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

FREQUENCY OF OCCURRENCE OF CROSSWINDS
FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY HEADING: 085-265

[illegible] NAF [illegible]

PERIOD OF RECORD: JUL 78 - JUN 88
MONTH: MAR

CEILING VS VISIBILITY (HOURLY OBS ONLY)

% WINDS REPORTED WITHIN THE HOUR (HOURLIES + SPECIALS)

0300 - 0500			0600 - 0800				0900 - 1100			
[illegible]	GE35	085	GE15	GE23	GE35	085	GE15	GE23	GE35	085
		930	3.2	.1		930	5.2			930
.0	.1	930	7.0	.4	.1	930	13.0	.5	.2	930

1500 - 1700			1800 - 2000				2100 - 2300			
[illegible]	GE35	085	GE15	GE23	GE35	085	GE15	GE23	GE35	085
.1		930	3.4			930	4.2			930
.0		930	7.5	.2	.2	930	5.5	1.2		930

- 2300		ALL HOURS			
[illegible]	085	GE15	GE23	GE35	085
	4657	4.1	.0		7440
.1	4657	7.1	.6	.1	7440

OPERATING LOCATION "A"
USAFETAC, 26TH WEW, [illegible]

PERCENTAGE FREQUENCY OF OCCURRENCE OF [illegible]
[illegible] HOURLY [illegible] OBSERVATIONS

STATION NUMBER: [illegible] STATION NAME: UPPER HEYFORD RAF UK
LST TO UTC: - [illegible]

CATEGORY A: ANY CEILING OR VISIBILITY ([illegible])

CATEGORY B: HIGHEST WINDS [illegible]

TIME (LST)	[illegible] - [illegible]				[illegible] - [illegible]				
SPEED (KTS)	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
CATEGORY A	[illegible]			[illegible]	[illegible]			[illegible]	[illegible]
CATEGORY B	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]		[illegible]	[illegible]

TIME (LST)	[illegible] - [illegible]				[illegible] - [illegible]				
SPEED (KTS)	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
CATEGORY A	[illegible]			[illegible]	[illegible]			[illegible]	[illegible]
CATEGORY B	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]		[illegible]	[illegible]

TIME (LST)	[illegible] - [illegible]			
SPEED (KTS)	[illegible]	[illegible]	[illegible]	[illegible]
CATEGORY A	[illegible]		[illegible]	
CATEGORY B	[illegible]	[illegible]	[illegible]	

PERCENTAGE FREQUENCY OF OCCURRENCE OF CROSSWINDS
FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY HEADING: 085-265

[illegible] HEYFORD RAF UK

PERIOD OF RECORD: JUL 78 - JUN 88
MONTH: APR

: ANY CEILING OR VISIBILITY (HOURLY OBS ONLY)

: HIGHEST WINDS REPORTED WITHIN THE HOUR (HOURLIES + SPECIALS)

0300 - 0500				0600 - 0800				0900 - 1100			
0015	0023	0035	085	0015	0023	0035	085	0015	0023	0035	085
1.0			99	1.0			900	4.0			900
2.7	.2		99	4.3	.2		900	5.5	.3		900

1400 - 1700				1800 - 2000				2100 - 2300			
0015	0023	0035	085	0015	0023	0035	085	0015	0023	0035	085
3.4			900	1.0			900	1.3			900
4.2	.3		900	.9			900	3.4	.2		900

0000 - 0200				ALL HOURS			
0015	0023	0035	085	0015	0023	0035	085
.1			4906	2.4			7200
.	.2		4906	3.7	.2		7200

OPERATING LOCATION [illegible]
[illegible], [illegible]

PERCENTAGE FREQUENCY OF OCCURRENCE OF [illegible]
[illegible] MONTHLY [illegible] STATIONS

STATION [illegible]: [illegible] STATION NAME: UPPER [illegible]
LST TO UTC: - [illegible]

CATEGORY A: ANY CEILING OR VISIBILITY (MONTHLY [illegible]

CATEGORY B: HIGHEST WIND [illegible] WITHIN [illegible]

TIME (LST)	[illegible] - [illegible]				[illegible] - [illegible]				
SPEED (KTS)	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
CATEGORY A	.4		[illegible]		.1		[illegible]		1.[illegible]
CATEGORY B	1.		[illegible]		1.6		[illegible]		[illegible]

TIME (LST)	[illegible] - [illegible]				[illegible] - [illegible]				
SPEED (KTS)	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
CATEGORY A	[illegible]		[illegible]		4.[illegible]		[illegible]		1.[illegible]
CATEGORY B	[illegible]	[illegible]		[illegible]	7.[illegible]		[illegible]		[illegible]

TIME (LST)	[illegible] - [illegible]					
SPEED (KTS)	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
CATEGORY A	[illegible]			[illegible]		[illegible]
CATEGORY B	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]

FREQUENCY OF OCCURRENCE OF CROSSWINDS
FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY HEADING: 085-265

[illegible] AFB [illegible]

PERIOD OF RECORD: JUL 73 - JUN 88
MONTH: MAY

ANY CEILING OR VISIBILITY (HOURLY OBS ONLY)

HIGHEST WINDS REPORTED WITHIN THE HOUR (HOURLIES + SPECIALS)

0300 - 0500				0600 - 0800				0900 - 1100			
0015	0023	0035	085	0015	0023	0035	085	0015	0023	0035	085
.1			98	1.4			930	3.1			930
1.0			930	4.0	.3		930	7.1	.3	.1	930

1500 - 1700				1800 - 2000				2100 - 2300			
0015	0023	0035	085	0015	0023	0035	085	0015	0023	0035	085
4.2			930	1.3			930	.5			930
2.0			930	4.4			930	2.3			930

0000 - 2400				ALL HOURS			
0015	0023	0035	085	0015	0023	0035	085
			4650	1.0			7440
.2	.1		4650	4.7	.1	.3	7440

OPERATING LOCATION "A"
USARETAC, [illegible]

PERCENTAGE FREQUENCY OF OCCURRENCE OF [illegible]
FROM HOURLY [illegible] OBSERVATIONS

STATION [illegible]: [illegible] STATION NAME: UPPER [illegible]
LST TO UTC: - [illegible]

CATEGORY A: ANY CEILING [illegible] VISIBILITY [illegible]

CATEGORY [illegible]: HIGHEST [illegible] REPORTED WITHIN [illegible]

TIME (LST)	[illegible] - [illegible]				[illegible] - [illegible]				
SPEED (KTS)	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
CATEGORY A	.1		[illegible]		.1		[illegible]		[illegible]
CATEGORY [illegible]	1.1		[illegible]		.7		[illegible]		[illegible]

TIME (LST)	[illegible] - [illegible]				[illegible] - [illegible]				
SPEED (KTS)	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
CATEGORY A	1.[illegible]		[illegible]		1.3		[illegible]		[illegible]
CATEGORY [illegible]	[illegible]		[illegible]		[illegible].1		[illegible]		[illegible]

TIME (LST)	[illegible] - [illegible]				
SPEED (KTS)	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
CATEGORY A	1.1		[illegible]		[illegible]
CATEGORY [illegible]	[illegible]		[illegible]		[illegible]

USF FREQUENCY OF OCCURRENCE OF CROSSWINDS
FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY HEADING: 085-265

[illegible] HEYFORD RAF UK

PERIOD OF RECORD: JUL 73 - JUN 88
MONTH: JUN

ANY CEILING OR VISIBILITY (HOURLY OBS ONLY)

HIGHEST WINDS REPORTED WITHIN THE HOUR (HOURLIES + SPECIALS)

0300 - 0500				0600 - 0800				0900 - 1100			
0-15	6-22	23-35	35+	0-15	6-22	23-35	35+	0-15	6-22	23-35	35+
.1		[illegible]		.2		[illegible]		1.2		[illegible]	
.7		[illegible]		[illegible]		[illegible]		2.2		[illegible]	

1200 - 1700				1800 - 2000				2100 - 2300			
0-15	6-22	23-35	35+	0-15	6-22	23-35	35+	0-15	6-22	23-35	35+
1.3		[illegible]		.4		[illegible]		.4		[illegible]	
[illegible]		[illegible]		[illegible]		[illegible]		1.4		[illegible]	

2300 - 2400			ALL HOURS			
0-15	6-22	35+	0-15	6-22	23-35	35+
		4500	.3			7200
		[illegible]	2.3			7200

OPERATING LOCATION: [illegible]
USAFETAC, ASHEVILLE, NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEIL
FROM SURFACE OBS WITHIN

STATION NUMBER: [illegible] STATION NAME: [illegible]
LST TO UTC: - [illegible]

CATEGORY A: ANY CEILING OR VISIBILITY (ANY

CATEGORY B: HIGHEST WINDS REPORTED WITHIN [illegible]

TIME (LST)	[illegible] - [illegible]				[illegible] - [illegible]				
SPEED (KTS)	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
CATEGORY A	.3		[illegible]		.3		[illegible]		[illegible]
CATEGORY B	[illegible]		[illegible]		[illegible]		[illegible]		[illegible]

TIME (LST)	[illegible] - [illegible]				[illegible] - [illegible]				
SPEED (KTS)	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
CATEGORY A	[illegible]		[illegible]		.3		[illegible]		[illegible]
CATEGORY B	.1		[illegible]		.1		[illegible]		[illegible]

TIME (LST)	[illegible] - [illegible]			
SPEED (KTS)	[illegible]	[illegible]	[illegible]	[illegible]
CATEGORY A	[illegible]		[illegible]	
CATEGORY B	[illegible]	[illegible]	[illegible]	

FREQUENCY OF OCCURRENCE OF CROSSWINDS
FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY HEADING: 085-265

[illegible] AFB [illegible]

PERIOD OF RECORD: JUL 7[illegible] - JUN [illegible]
MONTH: JUL

BY CEILING AND VISIBILITY (HOURLY OBS ONLY)

FORECAST WINDS REPORTED WITHIN THE HOUR (HOURLIES + SPECIALS)

0300 - 0500				0600 - 0800				0900 - 1100			
15	0[illegible]	0[illegible]	[illegible]	1[illegible]15	0[illegible]	0[illegible]	[illegible]	0715	0[illegible]	0[illegible]	[illegible]
.3			93[illegible]	.6			932	.3			930
.[illegible]			[illegible]	1.[illegible]			[illegible]	2.[illegible]	.1		930

1[illegible]00 - 1700				1800 - 2000				2100 - 2300			
15	0[illegible]	0[illegible]	[illegible]	1[illegible]15	0[illegible]	0[illegible]	[illegible]	2[illegible]15	0[illegible]	0[illegible]	[illegible]
.3			93[illegible]	.3			930	.1			930
.1			[illegible]	1.[illegible]			932	.3			930

[illegible] - 2300				ALL HOURS			
[illegible]	[illegible]	[illegible]		1[illegible]15	[illegible]	0[illegible]	[illegible]
		[illegible]		.[illegible]			74[illegible]
.[illegible]		4[illegible]		1.[illegible]	.1		7440

[illegible] PERCENTAGE FREQUENCY OF OCCURRENCE OF C[illegible]
[illegible] FROM HOURLY [illegible]

STATION NUMBER: [illegible] STATION NAME: [illegible]
LST TO UTC: - [illegible]

CATEGORY A: ANY CEILING [illegible] VISIBILITY ([illegible]

CATEGORY B: HIGHEST WIND [illegible]

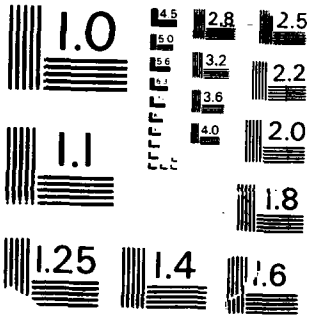
TIME (LST)	[illegible] - [illegible]					[illegible] - [illegible]				
DATE (MTH)	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
CATEGORY A	[illegible]			[illegible]		[illegible]			[illegible]	
CATEGORY B	[illegible]			[illegible]		[illegible]			[illegible]	

TIME (LST)	[illegible] - [illegible]					[illegible] - [illegible]				
DATE (MTH)	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
CATEGORY A	[illegible]			[illegible]		[illegible]			[illegible]	
CATEGORY B	[illegible]	[illegible]		[illegible]		[illegible]			[illegible]	

TIME (LST)	[illegible] - [illegible]			
DATE (MTH)	[illegible]	[illegible]	[illegible]	[illegible]
CATEGORY A	[illegible]		[illegible]	
CATEGORY B	[illegible]	[illegible]	[illegible]	

AD-A211 167 SURFACE OBSERVATION CLIMATIC SUMMARIES (SOCS) FOR UPPER 8/8
HEYFORD RAF UNITED KINGDOM(U) AIR FORCE ENVIRONMENTAL
TECHNICAL APPLICATIONS CENTER SCOTT A.. JUN 89

UNCLASSIFIED USAFETAC/DS-89/206 F/G 4/2 NL


1.0
4.5
5.0
5.6
6.3
2.8
2.5
3.2
2.2
3.6
4.0
2.0
1.1
1.8
1.25
1.4
1.6

PERCENTAGE FREQUENCY OF OCCURRENCE OF CROSSWINDS
FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY HEADING: 025-265

[illegible] NEVADA [illegible]

PERIOD OF RECORD: JUL 71 - JUN 80
MONTH: ALL

ANY CEILING OR VISIBILITY (HOURLY OBS ONLY)

HIGHEST WINDS PERIOD WITHIN THE HOUR (HOURLIES & SPECIALS)

0000 - 0300				0600 - 0900				0900 - 1100			
0-15	0-22	0-35	0-5	0-15	0-22	0-35	0-5	0-15	0-22	0-35	0-5
.9			930	.8			930	1.7			930
1.0			93	1.0			930	4.1			930

1500 - 1700				1900 - 2000				2100 - 2300			
0-15	0-22	0-35	0-5	0-15	0-22	0-35	0-5	0-15	0-22	0-35	0-5
1.5			930	.9			930	.5			930
4.8			930	2.8			930	1.4			930

0400 - 2000				ALL HOURS			
0-15	0-22	0-35	0-5	0-15	0-22	0-35	0-5
1.0			4557	1.1			7443
.7	.0		4557	1.0	.0		7443

[illegible] LOCATION MAP
[illegible]

PERCENTAGE FREQUENCY OF OCCURRENCE [illegible]
FROM HOURLY [illegible] TIMES

STATION NUMBER: [illegible] STATION NAME: [illegible]
LST TO UTC: - [illegible]

CATEGORY 1: ANY CEILING OR VISIBILITY [illegible]

CATEGORY 2: HIGHEST [illegible] CEILING OR VISIBILITY [illegible]

TIME (LST)	[illegible] - [illegible]				[illegible] - [illegible]				
SPEED (KTS)	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
CATEGORY 1	[illegible]			[illegible]	[illegible]			[illegible]	
CATEGORY 2	[illegible]	[illegible]		[illegible]	[illegible]			[illegible]	

TIME (LST)	[illegible] - [illegible]				[illegible] - [illegible]				
SPEED (KTS)	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
CATEGORY 1	[illegible]			[illegible]	[illegible]			[illegible]	
CATEGORY 2	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]		[illegible]	[illegible]

TIME (LST)	[illegible] - [illegible]				
SPEED (KTS)	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
CATEGORY 1	[illegible]			[illegible]	[illegible]
CATEGORY 2	[illegible]	[illegible]		[illegible]	[illegible]

FREQUENCY OF OCCURRENCE OF CROSSWINDS
FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY HEADING: 085-265

[illegible] AFB [illegible]

PERIOD OF RECORD: JUL 78 - JUN 88
MONTH: SEP

CEILING VS VISIBILITY (HOURLY OBS ONLY)

WORST WINDS REPORTED WITHIN THE HOUR (HOURLIES + SPECIALS)

0000 - 0300				0300 - 0600				0900 - 1100			
16	5-24	5-35	[illegible]	6-15	5-24	5-35	[illegible]	5-15	5-24	5-35	[illegible]
.2			[illegible]	.5			[illegible]	2.2			[illegible]
1.3			[illegible]	2.3			[illegible]	[illegible]	.5		[illegible]

1500 - 1700				1800 - 2000				2100 - 2300			
16	5-24	5-35	[illegible]	5-15	5-24	5-35	[illegible]	5-15	5-24	5-35	[illegible]
.7			[illegible]	.5			[illegible]	1.1			[illegible]
.2	.2		[illegible]	2.2	.1		[illegible]	[illegible]	.1	.1	[illegible]

[illegible] - 2400				ALL HOURS			
[illegible]	5-24	5-35	[illegible]	5-15	5-24	5-35	[illegible]
		[illegible]		1.5			7200
.2		[illegible]		[illegible]	.2	.2	7200

OPERATING LOCATION, MAW
HEADQUARTERS, ASHEVILLE, NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING
AND VISIBILITY BY MONTH

STATION NUMBER: [illegible] STATION NAME: UPPER [illegible]
LST TO UTC: - 5

CATEGORY A: ANY CEILING OR VISIBILITY (FREQUENCY [illegible]

CATEGORY B: HIGHEST [illegible] CEILING [illegible]

TIME (LST) [illegible] - [illegible]

SPEED (KTS)	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
CATEGORY A	[illegible]	.1	[illegible]	1.[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
CATEGORY B	[illegible]	.1	.1	[illegible]	[illegible]	.[illegible]	[illegible]	[illegible]	[illegible]

TIME (LST) [illegible] - [illegible]

SPEED (KTS)	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
CATEGORY A	[illegible]		[illegible]	3.2	[illegible]	[illegible]	[illegible]	[illegible]	1.[illegible]
CATEGORY B	3.7	.[illegible]	[illegible]	7.[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

TIME (LST) [illegible] - [illegible]

SPEED (KTS)	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
CATEGORY A	2.[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
CATEGORY B	7.[illegible]	.[illegible]	[illegible]	[illegible]	[illegible]

PERCENTAGE FREQUENCY OF OCCURRENCE OF CROSSWINDS
FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY HEADING: 085-265

[illegible] AFB UK

PERIOD OF RECORD: JUL 73 - JUN 82
MONTH: OCT

CEILING OR VISIBILITY (HOURLY OBS ONLY)

HIGHEST WINDS REPORTED WITHIN THE HOUR (HOURLIES + SPECIALS)

0300 - 0600				0600 - 0900				0900 - 1100			
0615	0628	0635	085	0615	0628	0635	085	0615	0628	0635	085
1.4			990	1.7			990	3.[illegible]			990
6.2	.3		990	5.2	.2		990	9.0	.5		990

1500 - 1700				1700 - 2000				2100 - 2300			
0615	0628	0635	085	0615	0628	0635	085	0615	0628	0635	085
3.2			990	1.3			990	.			990
7.2			990	4.1			990	3.4			990

2300 - 2600				ALL HOURS			
0615	0628	0635	085	0615	0628	0635	085
[illegible]			4550	2.1	.0		7440
[illegible]	.3		4550	5.[illegible]	.2	.2	7440

OPERATIONAL LOCATION MAP
PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING
PERIOD OF RECORD

STATION NUMBER: [illegible] STATION NAME: UPPER MOYENNE [illegible]
EST TO UTC: - [illegible]

CATEGORY A: ANY CEILING OR VISIBILITY [illegible]

CATEGORY B: HIGHEST CEILING REPORTED WITHIN [illegible]

TIME (EST)	[illegible] - [illegible]				[illegible] - [illegible]				
SPEED (KTS)	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
CATEGORY A	[illegible]			[illegible]	[illegible]			[illegible]	[illegible]
CATEGORY B	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

TIME (EST)	[illegible] - [illegible]				[illegible] - [illegible]				
SPEED (KTS)	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
CATEGORY A	[illegible]			[illegible]	[illegible]			[illegible]	[illegible]
CATEGORY B	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]		[illegible]	[illegible]

TIME (EST)	[illegible] - [illegible]			
SPEED (KTS)	[illegible]	[illegible]	[illegible]	[illegible]
CATEGORY A	[illegible]	[illegible]	[illegible]	[illegible]
CATEGORY B	[illegible]	[illegible]	[illegible]	[illegible]

[illegible] FREQUENCY OF OCCURRENCE OF CROSSWINDS
FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY HEADING: 085-265

[illegible] WEYERS AAF [illegible]

PERIOD OF RECORD: JUL 79 - JUN 88
MONTH: NOV

ANY CEILING OR VISIBILITY (HOURLY OBS ONLY)

HIGHEST WINDS OBSERVED WITHIN THE HOUR (HOURLIES + SPECIALS)

0300 - 0600				0600 - 0900				0900 - 1100			
0015	0028	0035	035	0015	0028	0035	035	0015	0028	0035	035
3.[illegible]			[illegible]	3.6	.1		[illegible]	5.1			[illegible]
5.9	.3	.2	[illegible]	4.[illegible]	.3	.1	[illegible]	10.[illegible]	.9		[illegible]

1[illegible] - 1700				1800 - 2[illegible]				2100 - 2300			
0015	0028	0035	035	0015	0028	0035	035	0015	0028	0035	035
4.[illegible]			[illegible]	5.3			[illegible]	3.[illegible]			[illegible]
9.2	.1		[illegible]	7.1	.3		[illegible]	5.[illegible]	.3	.1	[illegible]

2[illegible] - 2[illegible]			ALL HOURS			
0028	0035	035	0015	0028	0035	035
.3		4[illegible]	3.9	.5		7200
.5	.1	4[illegible]	7.7	.5	.1	7200

OPERATIONAL CLIMATOLOGY [illegible] PERCENTAGE FREQUENCY OF [illegible]
USA [illegible] FROM [illegible]

STATION NUMBER: [illegible] STATION NAME: UPPER [illegible]
LST TO UTC: - [illegible]

CATEGORY A: ANY CEILING [illegible] VISIBILITY [illegible]

CATEGORY B: HIGHEST CEILING [illegible] VISIBILITY [illegible]

TIME (LST)	[illegible] - [illegible]					[illegible] - [illegible]				
[illegible] (MTH)	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
CATEGORY A	[illegible]			[illegible]	[illegible]			[illegible]		[illegible]
CATEGORY B	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]		[illegible]		[illegible]

TIME (LST)	[illegible] - [illegible]					[illegible] - [illegible]				
[illegible] (MTH)	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
CATEGORY A	[illegible]			[illegible]	[illegible]	[illegible]		[illegible]		[illegible]
CATEGORY B	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]

TIME (LST)	[illegible] - [illegible]				
[illegible] (MTH)	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
CATEGORY A	[illegible]	[illegible]		[illegible]	[illegible]
CATEGORY B	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

PERCENTAGE FREQUENCY OF OCCURRENCE OF CROSSWINDS
FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY HEADING: 035-265

[illegible]: HOOPER HEYFORD [illegible]
[illegible]: - [illegible]

PERIOD OF RECORD: JUL 7[illegible] - JUL 8[illegible]
MONTH: DEC

Y AXIS: ANY CEILING OR VISIBILITY (HOURLY OBS ONLY)

X AXIS: HIGHEST WINDS REPORTED WITHIN THE HOUR (NON-LINES + SPECIALS)

	[illegible] - [illegible]				[illegible] - [illegible]				[illegible] - 1100			
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	4.2			[illegible]	[illegible]			[illegible]	[illegible]			[illegible]
[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]		[illegible]

	1[illegible] - 1[illegible]				1[illegible] - 2[illegible]				[illegible] - 2[illegible]			
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	3.4	[illegible]		[illegible]	4.[illegible]			[illegible]	4.[illegible]			[illegible]
[illegible]	7.[illegible]	1.[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]

[illegible] - 2[illegible]				ALL [illegible]			
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	.3		4[illegible]	4.3	.3		7440
[illegible]	[illegible]	.1	[illegible]	[illegible]	.7	.1	7440

[illegible]

STATION [illegible] : [illegible] STATION NAME: [illegible]
[illegible]

CAT [illegible] : ANY CEILING [illegible] VISIBILITY [illegible]

CAT [illegible] : HIGH [illegible]

TIME (GMT)	[illegible]			[illegible]				
[illegible] (KT)	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
CAT [illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
CAT [illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

TIME (GMT)	[illegible]			[illegible]				
[illegible] (KT)	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
CAT [illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
CAT [illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

TIME (GMT)	[illegible]			
[illegible] (KT)	[illegible]	[illegible]	[illegible]	[illegible]
CAT [illegible]	[illegible]	[illegible]	[illegible]	[illegible]
CAT [illegible]	[illegible]	[illegible]	[illegible]	[illegible]

FREQUENCY OF OCCURRENCE OF CONDITIONS
[illegible] ONLY [illegible] VERTICAL

MAGNETIC RUNWAY HEADING: 225-255

[illegible] AFB [illegible]

PERIOD OF RECORD: JUL 78 - JUN 83
MONTH: ALL

CEILING VS VISIBILITY (HOURLY OBS ONLY)

[illegible] WITHIN THE HOUR (ALL LIFTS + SPECIALS)

[illegible] - [illegible]	[illegible] - [illegible]	[illegible] - 1100
[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]

[illegible] - [illegible]	[illegible] - [illegible]	[illegible] - 2300
[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]

[illegible]	ALL [illegible]
[illegible]	[illegible]
[illegible]	[illegible]
[illegible]	[illegible]

NOTE 1

DEGREE DAY SUMMARIES

[illegible] DAYS.

CREATED FROM HOURLY OBSERVATIONS (MAX-MIN/2) [illegible] THE NUMBER OF DEGREE DAYS FOR EACH MONTH IN EACH YEAR.

INCLUDED BENEATH EACH SUMMARY ARE STATISTICS [illegible] YEAR (IF AVAILABLE). THE 30-YEAR [illegible] CONSISTENT WITH OTHER STANDARD CLIMATIC PUBLICATIONS, [illegible] OF THE NATIONAL CLIMATIC DATA CENTER (NCDC). [illegible] CHANGE TO 1951-1980 AS SOON AS DATA [illegible].

[illegible] WITH NO AVAILABLE DATA [illegible] IN THESE TABLES. ASTERISKS (****) [illegible] CANNOT BE CALCULATED (MISSING DATA) AUTOMATICALLY.

[illegible] DEGREE DAYS.

A "HEATING DEGREE DAY" IS ASSIGNED [illegible] MEAN TEMPERATURE FALLS BELOW A DESIGNATED "BASE TEMPERATURE" FAHRENHEIT. FOR EXAMPLE, IF THE MEAN TEMPERATURE [illegible] THAT DAY IS SAID TO HAVE [illegible] HEATING DEGREE DAYS.

[illegible] DAYS.

A "COOLING DEGREE DAY" IS ASSIGNED [illegible] TEMPERATURE RISES ABOVE A DESIGNATED "BASE TEMPERATURE" FAHRENHEIT. FOR EXAMPLE, IF THE MEAN TEMPERATURE [illegible] DEGREES, THAT DAY IS SAID TO HAVE [illegible] COOLING DEGREE DAYS.

[illegible] DEGREES FAHRENHEIT HAS BEEN SELECTED AS THE DESIGNATED "BASE TEMPERATURE" AT WHICH (AT LEAST THEORETICALLY) [illegible] COOLING IS REQUIRED. IF ANOTHER BASE TEMPERATURE IS [illegible] TABLES, IT WAS SPECIALLY REQUESTED BY THE [illegible].

NOTE 1. THESE SUMMARIES ARE NOT AVAILABLE [illegible]

PART I

DEGREE DAY SUMMARIES

DAILY OBSERVATIONS (MAXIMUM/MINIMUM ARE AVAILABLE), THESE TABLES GIVE THE DEGREE DAYS FOR EACH MONTH IN EACH YEAR OF THE AVAILABLE PERIOD OF RECORD.

EACH SUMMARY ARE STATISTICS BASED ON A 30-YEAR (1951-1980) PERIOD. THE 30-YEAR PDP PROVIDES ARS USERS WITH A SUMMARY OF OTHER STANDARD CLIMATIC PUBLICATIONS, NOTABLY THOSE OF CLIMATIC DATA CENTER (NCDC). NOTE THAT THE 30-YEAR PDP WILL 1-1980 AS SOON AS DATA FOR DECEMBER 1980 HAS BEEN PROCESSED.

AVAILABLE DATA AND MONTHS WITH A VALUE OF ZERO APPEAR AS BLANKS 0. ASTERISKS (****) DENOTE AN INCOMPLETE MONTH WITH A DAY (OR DAYS) THAT MISSING (FILLED IN) AUTOMATICALLY.

YS.
DEGREE DAY" IS ASSIGNED TO REPRESENT EACH DEGREE THAT THE FALLS BELOW A DESIGNATED "BASE TEMPERATURE" OF 65 DEGREES* EXAMPLE, IF THE MEAN TEMPERATURE ON A GIVEN DAY IS 57 DEGREES, TO HAVE 8 HEATING DEGREE DAYS.

YS.
DEGREE DAY" IS ASSIGNED TO REPRESENT EACH DEGREE THAT THE ABOVE A DESIGNATED "BASE TEMPERATURE" OF 65 DEGREES* EXAMPLE, IF THE MEAN TEMPERATURE ON A GIVEN DAY IS 73 DAY IS SAID TO HAVE 8 COOLING DEGREE DAYS.

IT HAS BEEN SELECTED AS THE NATIONWIDE STANDARD AT WHICH (AT LEAST THEORETICALLY) NO HEATING OR IS NEED. IF ANOTHER BASE TEMPERATURE IS USED IN THESE SPECIALLY REQUESTED BY THE STATION, AND IS NOTED.

MARIES ARE NOT AVAILABLE FOR PART TIME PERIODS.

```
OPERATING LOCATION [illegible]                               HEATING DEGREE DAYS
USAF ETAC, ASHEVILLE NC                                      FROM MONTHLY OBSERVATIONS

STATION NUMBER: [illegible]     STATION NAME: UPPER HEYFORD RAF UK
                                LST TO UTC: - 0
••••••••••••••••••••••••••••••••••••••••••••••••••••••••••••••••••••••••••••
YEARS            JAN      FEB      MAR      APR      MAY      JUN      JUL      AUG
••••••••••••••••••••••••••••••••••••••••••••••••••••••••••••••••••••••••••••


1951
1952             [illegible]  777  52[illegible]  431  244  1[illegible]  [illegible]  1[illegible]
1953             [illegible]  71[illegible]  [illegible]  [illegible]  [illegible]  [illegible]  1[illegible]  [illegible]
1954             [illegible]77  7[illegible]  [illegible]  [illegible]  3[illegible]4  [illegible]  1[illegible]  1[illegible]4
1955             [illegible]1  [illegible]1  4[illegible]  4[illegible]3  [illegible]  [illegible]  [illegible]  [illegible]

1956             [illegible]1  [illegible]  [illegible]7[illegible]  [illegible]  329  [illegible]  1[illegible]  [illegible]
1957             71  [illegible]41  4[illegible]  [illegible]  ****  ****
1958                                                                     ****
1959             [illegible]  7[illegible]1  [illegible]  4[illegible]  3[illegible]  147  [illegible]  [illegible]
1960             [illegible]  [illegible]  [illegible]7[illegible]  4[illegible]3  [illegible]  11[illegible]  1[illegible]  1[illegible]

1961             [illegible]  [illegible]  [illegible]  421  441  [illegible]  1[illegible]  1[illegible]
1962             [illegible]  [illegible]4  [illegible]  [illegible]57  4[illegible]3  [illegible]  1[illegible]  [illegible]
1963             111[illegible]  [illegible]1  [illegible]  4[illegible]  [illegible]7  1[illegible]  1[illegible]7  1[illegible]
1964             [illegible]  [illegible]  727  471  [illegible]  1[illegible]  7[illegible]  [illegible]
1965             [illegible]  7[illegible]  71[illegible]  ****  ****  ****  ****  ****

1966             ****  ****  ****  ****  ****  ****  ****  ****
1967             [illegible]  [illegible]73  [illegible]  [illegible]  427  [illegible]  [illegible]  1[illegible]
1968             [illegible]  [illegible]  [illegible]  [illegible]2  4[illegible]  1[illegible]  [illegible]  1[illegible]
1969             [illegible]  [illegible]  7[illegible]  535  [illegible]  [illegible]41  [illegible]  1[illegible]
1970             7[illegible]  7[illegible]  [illegible]  [illegible]  [illegible]  1[illegible]  1[illegible]  1[illegible]

1973             7[illegible]  [illegible]4  [illegible]47  [illegible]  3[illegible]  [illegible]  1[illegible]  1[illegible]
1974             [illegible]7[illegible]  [illegible]  [illegible]  [illegible]  434  [illegible]44  1[illegible]  1[illegible]4
1975             [illegible]7  715  [illegible]1[illegible]  [illegible]7[illegible]  4[illegible]3  173  4[illegible]  37

1976             [illegible]  [illegible]  7[illegible]4  ****                                      ****
1977             [illegible]  [illegible]  51[illegible]  575  4[illegible]7  317  14[illegible]  [illegible]
```

HEATING DEGREE DAYS
FROM HOURLY OBSERVATIONS

BASE TEMPERATURE 65

SITE: UPPER HEYFORD RAF UK
ID: - -

PERIOD OF RECORD: NOV 51 - JUN 88

APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
							721	[illegible]	1210
431	244	195	99	104	372	497	765	877	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	97	227	455	543	525	5371
[illegible]	384	235	[illegible]	104	[illegible]	336	504	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	47	[illegible]	501	527	[illegible]	5424
515	329	253	[illegible]	224	[illegible]	474	[illegible]	711	6129
502	****	****							2359
			****		****	399	[illegible]	743	1754
452	335	147	97	97	145	392	[illegible]	[illegible]	4956
493	[illegible]	115	[illegible]	[illegible]	247	444	[illegible]	771	5471
421	441	227	175	145	[illegible]	413	556	[illegible]	5343
357	433	212	[illegible]	[illegible]	[illegible]	[illegible]	537	[illegible]	5146
435	477	[illegible]	127	[illegible]	245	411	[illegible]	[illegible]	5175
471	225	142	75	47	139	455	512	773	5230
****	****	****	****	****	****	****	****	****	2354
****	****	****	****	****	****	479	[illegible]	[illegible]	1372
[illegible]	427	[illegible]	[illegible]	134	[illegible]	439	712	[illegible]	5225
542	443	153	202	163	235	314	633	[illegible]	5365
535	[illegible]	241	[illegible]	133	243	[illegible]	572	[illegible]	5717
[illegible]	273	133	[illegible]	[illegible]	124	[illegible]	535	735	5560
563	399	229	194	115	[illegible]	505	551	733	5559
[illegible]	434	244	152	164	335	547	604	537	5670
573	463	173	43	37	216	447	[illegible]	770	5571
****				****	253	425	541	633	4324
575	407	317	145	209	236	377	624	641	5615

1972	[illegible]	783	545	625	357	[illegible]	174	17	[illegible]
1973	[illegible]	653	774	541	415	174	71	14[illegible]	[illegible]
1974	[illegible]	634	72[illegible]	449	373	227	173	[illegible]	[illegible]
1931	[illegible]	733	506	599	441	331	122	[illegible]	[illegible]
1932	[illegible]	547	693	492	237	12[illegible]	1[illegible]	12[illegible]	[illegible]
1933	[illegible]	808	659	597	445	212	13	[illegible]	[illegible]
1934	762	767	745	528	463	1[illegible]	[illegible]	[illegible]	[illegible]
1935	[illegible]	739	777	556	421	[illegible]	1[illegible]	17[illegible]	[illegible]
1936	[illegible]	1217	757	590	426	24[illegible]	1[illegible]	[illegible]	
1937	[illegible]	75[illegible]	77[illegible]	432	451	[illegible]	1[illegible]	1[illegible]	
1938	[illegible]	7[illegible]	59[illegible]	5[illegible]	[illegible]	[illegible]			
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
[illegible]	[illegible]	7[illegible]	694	533	385	214	17[illegible]	134	
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	71.[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

****SPL 30Y2 [illegible] (1[illegible] -1[illegible])****

[illegible]	73[illegible]	[illegible]	[illegible]	475	[illegible]	17[illegible]	[illegible]	11	
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	39.[illegible]	47.71	[illegible]	[illegible]	[illegible]

[illegible]	357	245	174	175	232	357	542	791	5724
441	415	194	71	140	229	355	536	562	5462
[illegible]	373	207	173	95	154	463	579	752	5406
[illegible]	441	301	122	35	155	545	514	973	5999
[illegible]	337	128	100	123	1[illegible]	421	530	754	5271
[illegible]	445	212	13	63	235	421	571	599	5348
[illegible]	459	192	47	56	174	294	540	733	5355
[illegible]	421	325	131	174	173	354	748	641	6099
[illegible]	436	242	172	232	318	355	528	555	5179
[illegible]	451	289	173	155	215	441	515	652	5522
[illegible]	353	235							3153

. . . . . .

[illegible]	355	214	121	134	225	419	514	751
[illegible]	71.20	52.91	43.51	53.26	56.31	72.32	53.17	92.11

****SHE 30** SUMMATION (1961 -1993)****

[illegible]	320	173	194	115	203	[illegible]	369	[illegible]
[illegible]	59.51	47.71	35.59	35.92	44.[illegible]	59.51	57.30	74.52

OPERATING LOCATION MAP
CRAFTAC, ASHEVILLE, NC

COOLING DEGREE DAYS
FROM MONTHLY TEMPERATURES

STATION NUMBER: [illegible] STATION NAME: UPPER [illegible]
EST. MISSING: - 0

YEARS	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG
1962					[illegible]	[illegible]	[illegible]	[illegible]
1963					11	[illegible]	[illegible]	[illegible]
1964					1			[illegible]
1965						[illegible]	[illegible]	[illegible]
1966							1	
1967					1	7	[illegible]	[illegible]
1968						[illegible]		1
1969						[illegible]	[illegible]	
1970						1		
1971						[illegible]	[illegible]	
1972						[illegible]	[illegible]	[illegible]
1973							2	
1974							13	[illegible]
1975						[illegible]	[illegible]	[illegible]
1976						17	13	[illegible]
1977								1[illegible]
1978							2	1
1979						[illegible]	[illegible]	1[illegible]
1980					1		[illegible]	
1981					2	[illegible]	23	1[illegible]
1982						9	7	11
1983							7	[illegible]
1984					1	[illegible]	[illegible]	24

COOLING DEGREE DAYS
FROM HOURLY OBSERVATIONS

BASE TEMPERATURE 65

[illegible] RAF [illegible]

PERIOD OF RECORD: NOV 51 - JUN 58

MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
	25	33	4					76
11	15	4	29					59
1			3	2				6
	2	41	72	3				125
		1		3				21
1	7	41	51	7	1			116
	24		1					25
	3	4	7	5				22
	1							1
	3	3						11
	2	33	37	7				75
		22	3					25
		13	3					16
	2	49	22		2			74
	17	13	5	4				40
			16	10				26
		2	1					3
	5	34	101	4				144
		10	2					12
1		2		2				5
2	6	23	10					41
	9	7	11					27
		7	23	3				33
1	29	20	24	5				79

1992			11[illegible]	[illegible]
1994		11	[illegible]	[illegible]
1995				[illegible]
1996		1[illegible]	11	
1997		[illegible]	[illegible]	1[illegible]
1998		1		
[illegible]	[illegible]	[illegible]	1[illegible]	1[illegible]
[illegible]	2.32	[illegible].24	[illegible]	[illegible].1[illegible]

****SPL 3.[illegible] S[illegible]I[illegible] (1[illegible] 1 -1[illegible])****

[illegible]	[illegible]	[illegible]	1[illegible]	[illegible]
[illegible]	1.73	1.7[illegible]	11.[illegible]	11.[illegible]

		11	29			147
	11	2	45	11		33
		1	1	1	4	17
	19	11				21
	2	2	17	1		35
	1					1
	3	5	14	17	2	1
	2.32	4.24	24.35	24.10	3.52	.22

****SPL 3[illegible] S[illegible]TI[illegible] (1981 -1983)****

1	4	14	14	2	1
1.73	1.75	11.22	11.49	1.41	.03

[illegible]

[illegible]

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	50	51	59	74	[illegible]	77
[illegible]	[illegible]	42.4	47.3	[illegible]	[illegible]	[illegible]
[illegible]	37.1	33.1	42.1	46.5	[illegible]	[illegible]
[illegible]	33.7	38.2	38.9	[illegible]	[illegible]	[illegible]
[illegible]	7	13	15	14	[illegible]	[illegible]
[illegible]	[illegible]	3	[illegible]	[illegible]	1	[illegible]
[illegible]	[illegible]	3	3	1	3	[illegible]
[illegible]	14	13	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	3	2	1	2	[illegible]	[illegible]
[illegible]	[illegible]	713	736	734	737	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	31.5	30.1	35.3	37.	[illegible]	[illegible]
[illegible]	31.1	34.3	[illegible]	41.3	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	77.7	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	77.1	71.3	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	1.	.93	1.01	.79	[illegible]	[illegible]
[illegible]	4.73	3.14	.15	3.37	[illegible]	[illegible]
[illegible]	2.35	1.56	2.24	1.[illegible]	[illegible]	[illegible]
[illegible]	.52	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	15	11	15	1[illegible]	13	1[illegible]
[illegible]	1	1	1	1	1	[illegible]
[illegible]	3.3	[illegible]	[illegible]	3.7	1.	[illegible]
[illegible]	15.7	13.4	11.4	[illegible]	1.	[illegible]
[illegible]	3.2	2.1	1.	[illegible]	[illegible]	[illegible]
[illegible]	3	2	1	1	[illegible]	[illegible]
[illegible]	1	1	1	[illegible]	[illegible]	[illegible]
[illegible]	2	5	[illegible]	3	[illegible]	[illegible]
[illegible]	243	056	310	[illegible]	31	[illegible]
[illegible]	4.3	3.5	2.1	7.3	7.5	[illegible]
[illegible]	73	53	74	53	43	[illegible]
[illegible]	*	*	*	*	*	*
[illegible]	6	7	1	1	2	2
[illegible]	15	17	17	14	14	14

[illegible] = NORMAL
[illegible] = [illegible] OF DAYS WITH
[illegible] = [illegible] IN LESS THAN FULL MONTHS
** = INSTANTANEOUS PEAK WINDS
* = DATA NOT AVAILABLE

[illegible] = [illegible]
[illegible] = [illegible]
* = LESS THAN [illegible]
[illegible] = [illegible]

```
[illegible] AF UK                                               FIELD ELEV:  438 FT
[illegible]   JUL 15 [illegible]                                STATION WSC: 036553
- JUN [illegible]                                               CALL SIGN: EGUA
 I - JUN 84  (5/57-9/64, 6/55-8/65 PART TIME)
- [illegible]   LST                                             SUPERCEDES: APR 84

[illegible]  APR     MAY     JUN     JUL     AUG     SEP     OCT     NOV     DEC     ANN     YOR

[illegible]  74      [illegible] 77  [illegible] [illegible] 82  79      63      59      90      3[illegible]
[illegible]  [illegible] [illegible] [illegible] [illegible] 67. 63.[illegible] [illegible] [illegible] 44.4  54.[illegible] 38
[illegible]  45.[illegible] [illegible] [illegible] 61.[illegible] [illegible] [illegible] 51.1 [illegible] [illegible] 48.9 35
[illegible]  [illegible] 44.[illegible] [illegible] 53.4 [illegible] [illegible] 44.[illegible] [illegible] 35.[illegible] 42.5 3[illegible]
[illegible]  [illegible] [illegible] [illegible] 41  [illegible] [illegible] 27  22      3       2       38

[illegible]  [illegible] 1  [illegible] [illegible] [illegible] 1  [illegible] [illegible] [illegible] 13  38
             1       3   [illegible] 1[illegible] 1[illegible] 4  1   [illegible] [illegible] 38  3[illegible]
             [illegible] [illegible] [illegible] [illegible] [illegible] 1 [illegible] [illegible] 51 3[illegible]
1            [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] 1  2   9   3[illegible]

[illegible]  [illegible] [illegible] [illegible] 1[illegible] 1[illegible] [illegible] [illegible] [illegible]14  751  5571  3[illegible]
                                  1[illegible] 1[illegible] [illegible] [illegible]             44    3[illegible]

[illegible]  37.     [illegible] [illegible] [illegible] 1.[illegible] 4[illegible] 44.7 [illegible] [illegible] 41.4  1[illegible]
[illegible]  41.[illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] 42.3 3[illegible] 45.3 1[illegible]
[illegible]  13[illegible] 1[illegible] 1[illegible] [illegible] [illegible] 11[illegible] 1[illegible] 14[illegible] 1[illegible] 1400 1[illegible]

[illegible]  7[illegible] [illegible] [illegible] 1.  [illegible] [illegible].7 [illegible] [illegible] -1.7  -1.3  10
[illegible]  [illegible] [illegible].7 [illegible] [illegible] [illegible]1.7 [illegible] 7[illegible]. [illegible] 7[illegible] 6[illegible].4 10

1.[illegible]1  .[illegible]4  [illegible].1[illegible] 2.[illegible] [illegible] 1.[illegible] 1.[illegible] 1.[illegible] 1.[illegible] [illegible] 2.75  3[illegible]
.1[illegible]  3.57  [illegible] [illegible] [illegible] [illegible] [illegible].77 [illegible].[illegible]7 [illegible] [illegible] 40.19 3[illegible]
[illegible]  1.[illegible] [illegible] [illegible] 1.7[illegible] [illegible] [illegible] [illegible] 2.[illegible]1 [illegible].44 25.65 33
[illegible]  .[illegible] .[illegible] .[illegible] .17  .[illegible] .1[illegible] .[illegible] .[illegible] .[illegible] 16.3[illegible] 3[illegible]
1[illegible]  1[illegible] 13  11  1[illegible] 1[illegible] 11  1[illegible] 1  1[illegible] 1[illegible]  3[illegible]
[illegible]  [illegible] 1  [illegible] 1   1   1   [illegible] 1   1   12  3[illegible]

.[illegible]  [illegible].7  1.[illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible].3 [illegible] [illegible] 3[illegible]
1[illegible].4  [illegible] 1.[illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] 12.2 23.[illegible] 3[illegible]
1.   .[illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] .4  1.[illegible] 1[illegible].5 38
1    1   [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] 1  1  [illegible]  3[illegible]
1    [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] 1  4  3[illegible]

[illegible]  3   [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] 7  [illegible] 3[illegible]

[illegible]  [illegible] 21[illegible] 24[illegible] [illegible] 24[illegible] 24[illegible] 21[illegible] 21[illegible] 210  210  10
[illegible]  7.3   7.[illegible] [illegible] 6.6   7.[illegible] 7.1   7.3   [illegible].6 [illegible] 7.[illegible] 10
7[illegible]  [illegible] 43  4[illegible] 36  47  51  54  6[illegible] [illegible] 74  31

*       *       *       *       *       *       *       *       *       *       *       *
1       1       2       2       2       [illegible] 1   1   [illegible] [illegible] 12  39
17      14      14      14      14      15      17      1[illegible] 1[illegible] 1[illegible] 196  39

             POR/YOR = PERIOD/YEARS OF RECORD
                WCPA = WORST CASE MAXIMUM PRESSURE ALTITUDE
MONTHS             * = LESS THAN 0.5 DAYS OR TRACE AS APPLICABLE
                   & = PERCENTAGE OF CALM WINDS GREATER THAN OR EQUAL TO MEAN
                       WIND DIRECTION
```

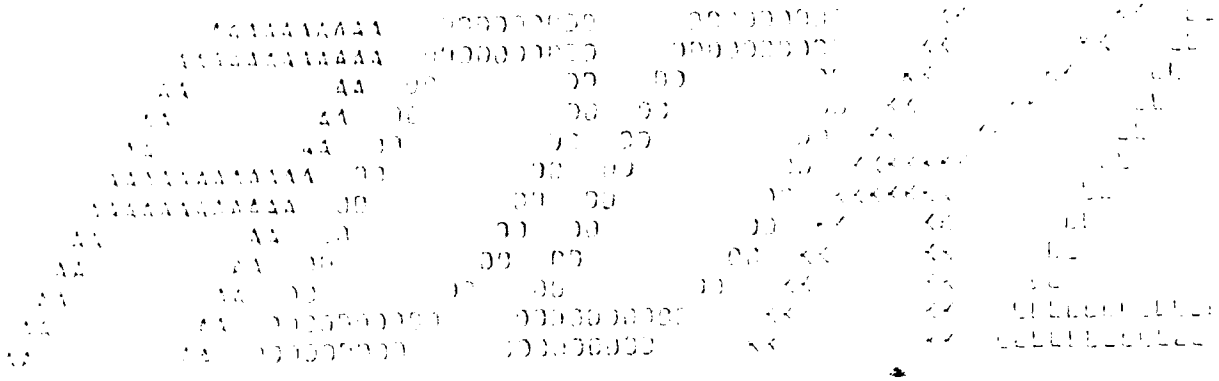
	[illegible]	JAN	FEB	MAR	APR	MAY	JUN	JUL
	[illegible]							
	00 - 02	41.7	42.[illegible]	35.7	[illegible]	[illegible]	[illegible]	[illegible]
	03 - 05	44.7	43.4	43.2	34.2	[illegible]	[illegible]	[illegible]
CIG	06 - 08	43.1	52.3	47.4	47.1	[illegible]	[illegible]	[illegible]
LT [illegible] FT	09 - 11	44.7	51.7	47.2	[illegible]	[illegible]	[illegible]	[illegible]
&/OR	12 - 14	41.3	43.7	30.3	17.3	[illegible]	[illegible]	[illegible]
VSBY	15 - 17	37.1	36.2	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	18 - 20	37.4	37.1	27.5	13.7	11.7	[illegible]	[illegible]
	21 - 23	33.7	30.3	31.7	[illegible]	[illegible]	[illegible]	[illegible]
	ALL	41.	44.[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	00 - 02	30.[illegible]	34.4	[illegible]	17.5	[illegible]	[illegible]	[illegible]
	03 - 05	[illegible]	37.	31.2	[illegible]	[illegible]	[illegible]	[illegible]
CIG	06 - 08	[illegible]	45.1	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	09 - 11	[illegible]	44.1	32.[illegible]	17.5	[illegible]	[illegible]	[illegible]
[illegible]	12 - 14	41.	37.7	21.4	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	15 - 17	[illegible]	[illegible]	15.[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	18 - 20	[illegible]	[illegible]	17.[illegible]	[illegible]	7.[illegible]	[illegible]	[illegible]
	21 - 23	[illegible]	[illegible]	[illegible]	[illegible]	11.	[illegible]	[illegible]
	ALL	[illegible]	34.[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	00 - 02	23.7	23.[illegible]	[illegible]	11.[illegible]	[illegible]	11.[illegible]	[illegible]
	03 - 05	27.4	[illegible]	21.	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	06 - 08	[illegible]	[illegible]	31.1	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	09 - 11	27.1	32.[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	12 - 14	[illegible]	[illegible]	11.[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	15 - 17	[illegible]	17.[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	18 - 20	21.	[illegible]	11.[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	21 - 23	[illegible]	[illegible]	13.1	.1	.7	[illegible]	[illegible]
	ALL	[illegible]	[illegible].1	17.3	[illegible]	11.[illegible]	[illegible]	[illegible]
	00 - 02	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	03 - 05	7.[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	06 - 08	7.[illegible]	[illegible].4	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	09 - 11	[illegible]	[illegible]	[illegible].3	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	12 - 14	[illegible]	[illegible].1	.3	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	15 - 17	[illegible]	1.[illegible]	.1	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	18 - 20	[illegible].7	[illegible].7	.1	[illegible]	[illegible]	[illegible]	[illegible]
	21 - 23	[illegible]	3.[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	ALL	[illegible]	[illegible].1	1.[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

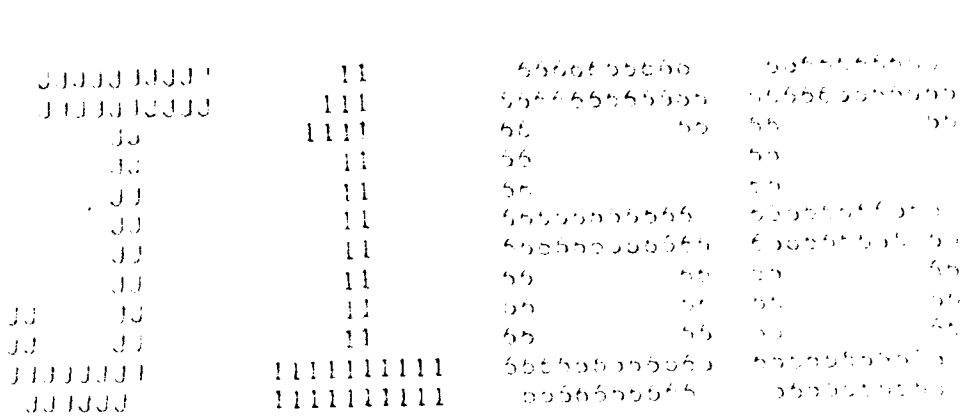
[illegible] FOR THE PERIOD [illegible] - [illegible]

PERCENT OCCURRENCE FREQUENCY OF CEILING AND VISIBILITY

MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN	YRS
35.7	23.7	22.7	24.	15.4	15.7	24.3	29.1	40.1	43.9	30.5	10
43.[illegible]	34.2	34.2	37.[illegible]	35.[illegible]	32.[illegible]	32.4	39.[illegible]	44.[illegible]	47.5	40.2	10
43.4	41.1	44.2	45.[illegible]	35.9	38.7	37.[illegible]	45.7	47.5	47.4	43.[illegible]	1[illegible]
47.2	23.4	23.[illegible]	45.1	22.3	25.9	25.5	36.5	45.3	47.0	35.4	10
39.9	17.3	17.3	17.4	13.2	15.5	15.0	25.5	35.7	41.4	27.5	10
23.2	12.5	12.1	17.	[illegible].2	13.4	11.1	19.5	35.5	39.2	22.1	10
27.5	12.7	11.7	13.[illegible]	7.[illegible]	11.1	15.1	23.4	35.5	44.2	22.[illegible]	10
31.3	15.[illegible]	15.4	14.[illegible]	11.9	13.5	13.1	25.6	38.[illegible]	41.8	25.7	10
3[illegible].1	23.5	24.5	23.2	13.5	2[illegible].3	22.7	33.[illegible]	40.7	44.1	31.1	10
3[illegible].3	17.5	15.3	13.2	14.[illegible]	14.3	1[illegible].4	23.1	32.1	33.3	23.4	10
31.2	25.3	31.1	[illegible]	29.[illegible]	25.5	27.5	32.5	33.7	35.7	31.4	10
[illegible].4	32.3	35.3	33.[illegible]	2[illegible].2	31.2	33.[illegible]	33.5	38.5	36.5	35.2	10
32.3	17.5	17.7	15.1	12.4	14.7	17.3	29.7	36.[illegible]	36.2	25.5	10
21.4	[illegible].4	[illegible].7	[illegible].5	4.5	[illegible].9	[illegible].5	15.6	25.1	23.1	17.0	10
15.5	5.1	5.5	5.3	3.3	5.1	5.6	11.5	21.2	27.3	13.[illegible]	1[illegible]
13.2	[illegible].2	7.5	5.[illegible]	4.3	7.1	11.1	15.5	23.0	31.5	16.[illegible]	1[illegible]
[illegible]	15.5	11.[illegible]	13.1	[illegible].5	13.5	13.[illegible]	1[illegible].5	27.3	31.2	1[illegible].5	1[illegible]
25.7	15.3	1[illegible].5	15.1	13.3	14.4	17.2	23.4	29.7	32.5	22.5	10
1[illegible].3	11.2	11.3	11.4	7.1	[illegible].9	12.7	15.9	22.2	25.9	16.1	1[illegible]
21.[illegible]	1[illegible].4	24.1	24.7	1[illegible].1	15.1	22.9	25.2	24.9	29.4	23.5	1[illegible]
31.1	2[illegible].9	25.5	24.[illegible]	19.[illegible]	24.9	27.1	30.4	23.1	29.1	25.[illegible]	1[illegible]
2[illegible].5	1[illegible].[illegible]	[illegible].7	[illegible].[illegible]	[illegible].5	[illegible].5	13.[illegible]	23.2	25.4	27.4	17.5	10
11.3	[illegible].[illegible]	4.3	3.1	1.[illegible]	[illegible].2	3.7	9.1	15.5	1[illegible].6	10.1	10
.5	2.2	[illegible].[illegible]	4.1	1.3	1.7	2.[illegible]	7.3	13.5	1[illegible].9	[illegible].5	10
11.[illegible]	4.1	4.3	4.1	1.2	3.[illegible]	[illegible].7	9.5	14.4	23.1	10.2	10
15.1	[illegible].1	[illegible].7	[illegible].3	3.1	[illegible].[illegible]	7.7	12.3	19.[illegible]	23.9	12.0	1[illegible]
17.3	1[illegible].3	11.3	1[illegible].	7.5	[illegible].3	11.2	15.4	2[illegible].7	24.[illegible]	15.5	1[illegible]
.[illegible]	.1	1.[illegible]	.4	.[illegible]	.2	1.3	1.7	[illegible].3	[illegible].2	2.5	10
[illegible].[illegible]	1.[illegible]	3.[illegible]	3.[illegible]	2.5	3.[illegible]	3.7	[illegible].1	[illegible].[illegible]	[illegible].2	4.9	10
.9	4.2	3.3	2.1	1.7	4.3	4.7	10.4	9.3	8.6	6.0	1[illegible]
1.3	.7	.3	.1	.1	.3	.6	4.5	7.3	7.3	3.3	1[illegible]
.3	.[illegible]	.[illegible]	.[illegible]	.[illegible]	.0	.0	.9	4.[illegible]	[illegible].0	1.5	1[illegible]
.1	.[illegible]	.3	.3	.0	.3	.3	.3	4.[illegible]	[illegible].3	1.3	10
.1	.	.[illegible]	.[illegible]	.3	.[illegible]	.3	.3	4.3	4.2	1.5	10
.5	.[illegible]	.7	.7	.1	.3	.3	1.0	4.4	4.5	1.7	10
1.9	.[illegible]	1.9	.[illegible]	.5	1.9	1.4	3.2	5.1	5.[illegible]	2.5	10

[illegible] PERIOD 1973 - 1976: [illegible]





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*A  TAG  JJ  LDA  ACCUM,  2        JJ1 JJ1 STAC    X.LY
*A  TAG  JJ  LDA  ACCUM,  2        JJ1 JJ1 STAC    X.LY
*A  TAG  JJ  LDA  ACCUM,  2        JJ1 JJ1 STAC    X.LY
*A  TAG  JJ  LDA  ACCUM,  2        JJ1 JJ1 STAC    X.LY
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KK       KK    LL              KK       KK    LL
KK     KK      LL              KK     KK      LL
KK   KK        LL              KK   KK        LL
KK KK          LL              KK KK          LL
KKKKKKK        LL              KKKKKKK        LL
KKKKKKK        LL              KKKKKKK        LL
KK     KK      LL              KK     KK      LL
KK     KK      LL              KK     KK      LL
KK     KK      LL              KK     KK      LL
KK     KK      LLLLLLLLLLLL    KK     KK      LLLLLLLLLLLL
KK     KK      LLLLLLLLLLLL    KK     KK      LLLLLLLLLLLL
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AAAAAAAAAA
AAAAAAAAAAAA
AA        AA
AA        AA
AA        AA
AAAAAAAAAAAA
AAAAAAAAAAAA
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AA        AA
AA        AA
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.LY..   S12M   1.09.45 AM 03 AUG 89 PPT1   IP01  END  A*
.LY.N   P12M   1.09.45 AM 03 AUG 89 PPT1   IP01  END  A*
.LY..   [illegible]  1.09.45 AM 03 AUG 89 PPT1   IP01  END  A*
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89 8 14 010